

90



10



20

ARITHMETIC WORKBOOK

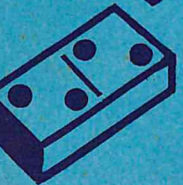
Happy Times With
NUMBERS

SECOND GRADE

40



60



70



100



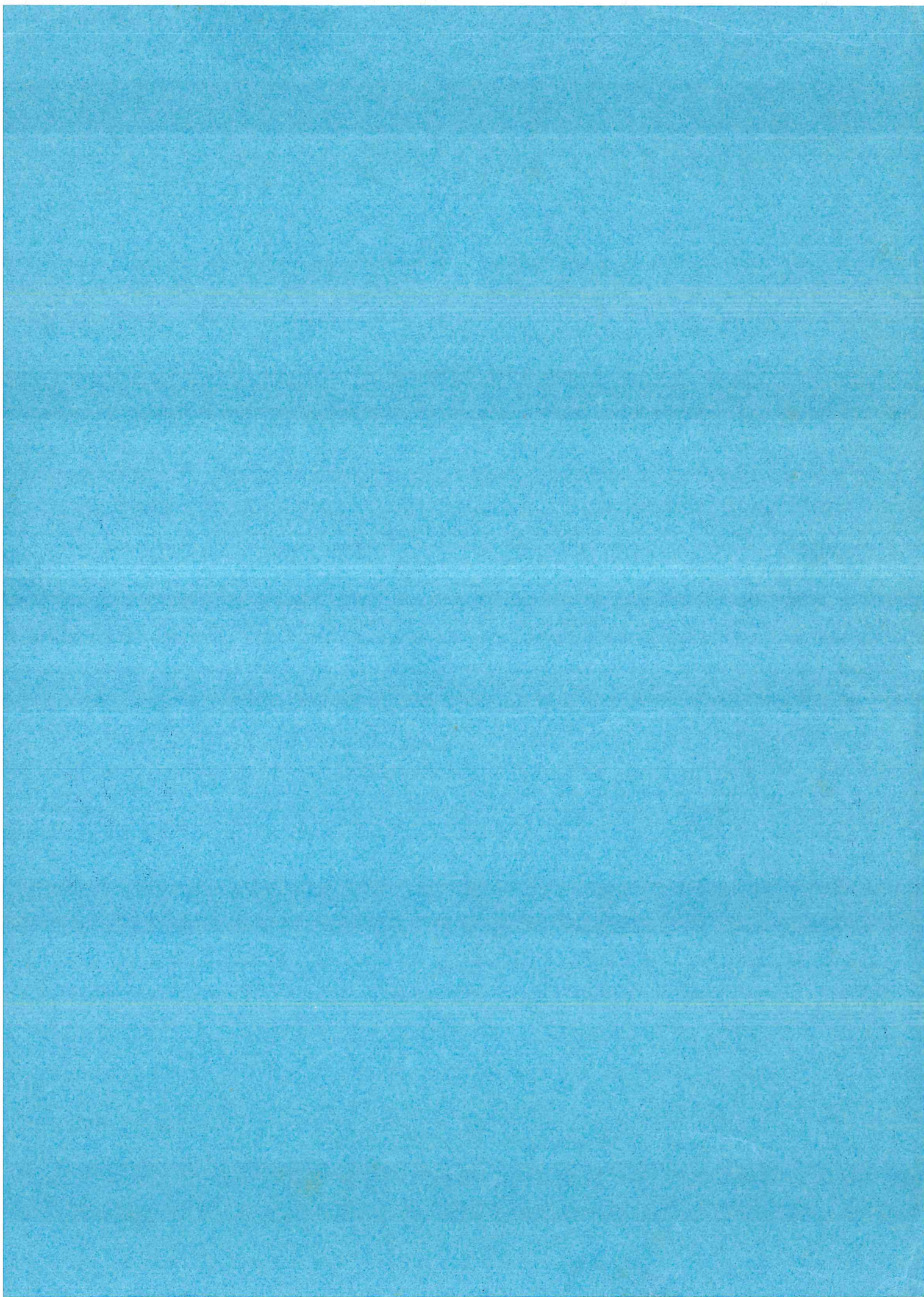
80



30



50



Happy Times with Numbers

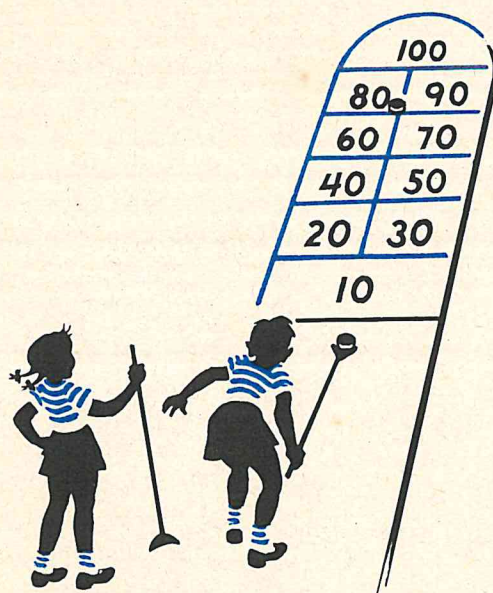
Second Grade

by

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NEWARK, NEW JERSEY

Illustrated by Herbert Townsend



1951

Allyn and Bacon, Inc.

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Counting

1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
10	20

TEACHER. — Review counting from one through twenty. Using objects, have the children count the teens by saying "one ten and one," "one ten and two," and so on. Lead them to discover that the sequence from one through nine remains the same, but that there is a *one* in front of each number which means "one ten."
Children are to write the numbers in the blank spaces.

Money



10 pennies = 1 dime
 1 dime = pennies
 1 dime is 1 ten

		tens	ones	
ONE DIME	ONE CENT			¢
ONE DIME	ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT			¢
ONE DIME	ONE DIME			¢

TEACHER. — Before doing this page, discuss with the children how much a lollypop costs, how much a candy bar costs, how much an ice cream cone costs, and so on, until the children realize that they can buy more for a dime than for a penny. Lead the children to see that one dime is *ten ones*, or *one ten*. Show them that the one-figure numbers, one through nine, are written in the ones column.

Children should write the number of dimes and cents illustrated in the proper blank spaces, saying "one ten and one more are eleven," and so on. Be sure they understand the ¢ sign.

Counting

	tens	ones		tens	ones		tens	ones		tens	ones		tens	ones
1			11			21			31			41		
2			12			22			32			42		
3			13			23			33			43		
4			14			24			34			44		
5			15			25			35			45		
6			16			26			36			46		
7			17			27			37			47		
8			18			28			38			48		
9			19			29			39			49		
10			20			30			40			50		

TEACHER. — Before doing this page, build a classroom chart from counting objects or dimes and pennies. Write each number on the chart as each object is counted. Lead children to hear the similarity in "four tens" and "for-ty," "five tens" and "fif-ty," and so on.

Children should count the number of tens and ones in each number above and place the numbers under the correct columns of spaces.

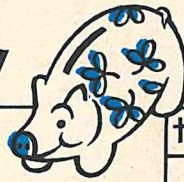
More Counting


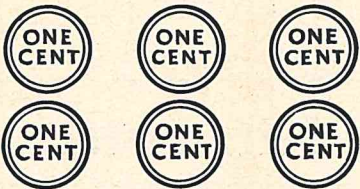
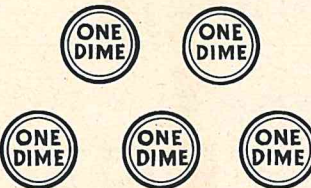
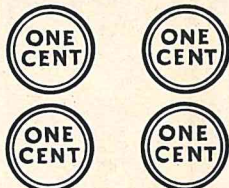
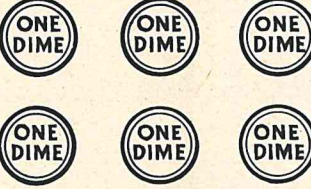

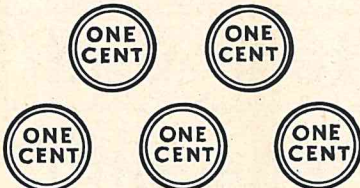



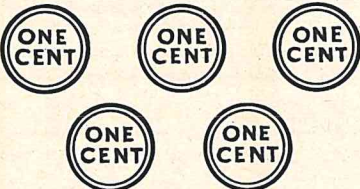

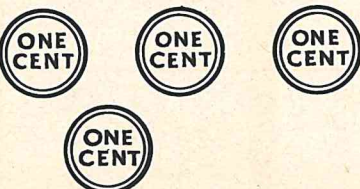
	tens	ones		tens	ones		tens	ones		tens	ones		tens	ones
51			61			71			81			91		
52			62			72			82			92		
53			63			73			83			93		
54			64			74			84			94		
55			65			75			85			95		
56			66			76			86			96		
57			67			77			87			97		
58			68			78			88			98		
59			69			79			89			99		
60			70			80			90					

TEACHER. — Children should continue to count objects and make a number chart to 100. When they get to nine tens and nine ones, use objects to show why they will need a third column, which is the hundreds column. Show them how to write 100.



Counting Money



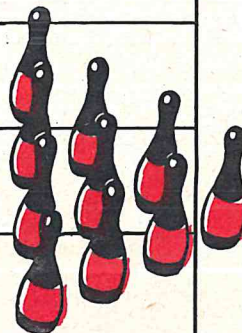
	tens	ones	
 			\$
 			\$
			\$
 			\$
 			\$
 			\$
 			\$

TEACHER. — Children are to write the correct numbers of dimes and cents in the proper columns at the right. Be sure that they know a dime is *ten ones*, or *one ten*, and is written in the tens column.



Tens and Ones

11	is	1	ten	and	1	one.
15	is		ten	and		ones.
18	is		ten	and		ones.
14	is		ten	and		ones.
20	is		tens	and		ones.
46	is		tens	and		ones.
35	is		tens	and		ones.
56	is		tens	and		ones.
64	is		tens	and		ones.
30	is		tens	and		ones.
94	is		tens	and		ones.
72	is		tens	and		ones.
83	is		tens	and		ones.
50	is		tens	and		ones.
17	is		ten	and		ones.
88	is		tens	and		ones.



Counting

1		21			51		71		
	12					62			92
			33					83	
		24		44					
					55				
6						66			96
	17			47			77		
			38					88	
					59				
10		30							100



Adding One More



  and  are

$$\begin{array}{r} 2 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +1 \\ \hline \end{array}$$

2 and 1 are

 and   are



$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

1 and 2 are

   and  are

$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

3 and 1 are

 and    are

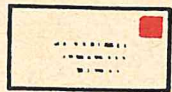
$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

1 and 3 are

TEACHER.— Use objects to introduce the combinations on this workbook page. Lead the children to discover that when adding one to a number, the answer is always the next number in sequence.



Adding One More



and  are



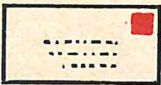
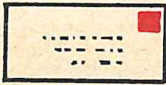


4 and 1 are

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

 and  are



1 and 4 are

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$



and



are

5 and 1 are

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$



and



are

1 and 5 are

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

TEACHER. — Use objects to introduce these combinations, as on the previous page.



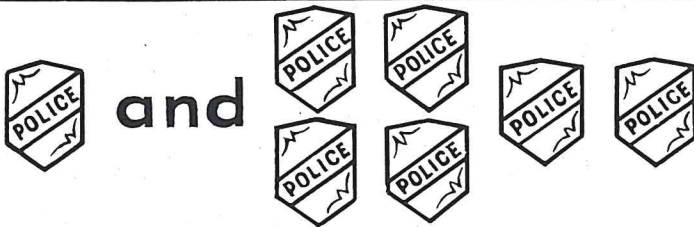
Adding One More



and  are

$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline \end{array}$$

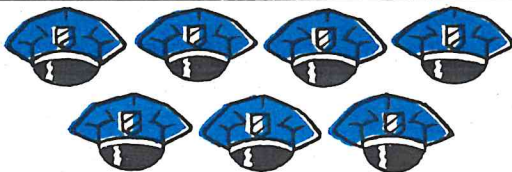
6 and 1 are



are

$$\begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array}$$

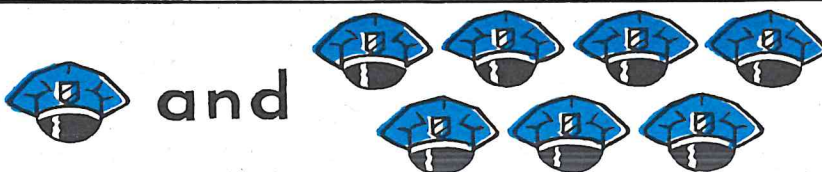
1 and 6 are



and  are

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +1 \\ \hline \end{array}$$

7 and 1 are



are

$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +7 \\ \hline \end{array}$$

1 and 7 are

TEACHER. — Same directions as on the preceding page.

Adding One More



and are

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

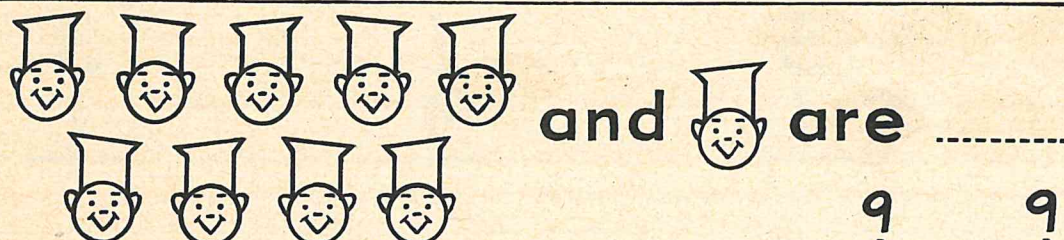
8 and 1 are



and are

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

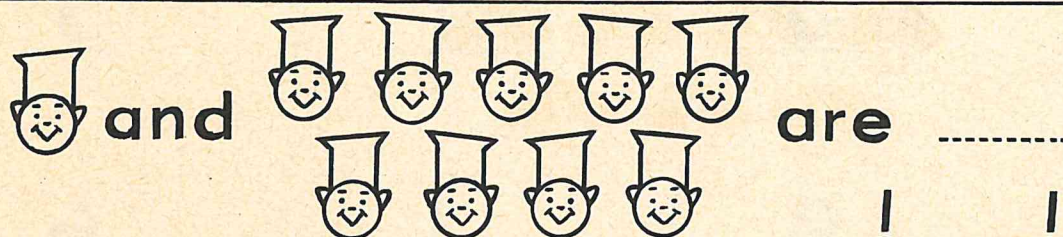
1 and 8 are



and are

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

9 and 1 are

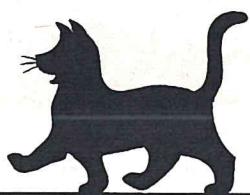


and are

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

1 and 9 are

TEACHER. — Same directions as on the preceding page.



Addition



Mary had 5 cookies. Bob had 1 cookie.
Together they had ____ cookies.

$$\begin{array}{r} 8 \\ +1 \\ \hline 9 \end{array}$$

This is called addition.

Add these numbers.

$$\begin{array}{r} 1 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$$

Counting Back

Count by 1 to 10.

1 10

Count from 10 back to 1.

10 1

Write the number that comes before each number.

_____ 6

_____ 3

_____ 8

_____ 2

_____ 5

_____ 10

_____ 4

_____ 7

_____ 9

_____ 2

_____ 5

_____ 10

_____ 6

_____ 3

_____ 7

_____ 4

Take Away



3 apples

Take away 1 apple.

3 take away 1 is

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$



Take away 2 apples.

3 take away 2 is

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

These 3 numbers go together.

2 1 3

$$\begin{array}{r} 2 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$



4 trees

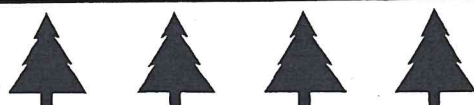
Take away 1 tree.

4 take away 1 is

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$



Take away 3 trees.

4 take away 3 is

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

These 3 numbers go together.

3 1 4

$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

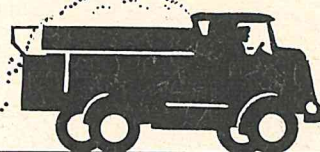
$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

TEACHER. — Using objects, show the children that when they take away one, they have one less, and the answer is always the preceding number. Emphasize the three numbers that go together. Children should put an X on each of the objects they are to take away. Show the children a short way to write "take away." Explain the subtraction sign.

Take Away

SAND
FOR
SALE



5 balls

Take away 1 ball.

5 take away 1 is

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$



Take away 4 balls.

5 take away 4 is

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

These 3 numbers go together.

4 1 5

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$



6 cups

Take away 1 cup.

6 take away 1 is

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$



Take away 5 cups.

6 take away 5 is

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

These 3 numbers go together.

5 1 6

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

TEACHER. — Follow the same procedure as for the previous page.

Take Away

PUPPIES
FOR
SALE



7 drums

Take away 1 drum.

7 take away 1 is

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$



Take away 6 drums.

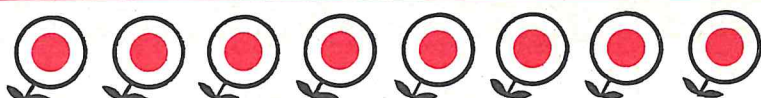
7 take away 6 is

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

These 3 numbers go together.

6 1 7

$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

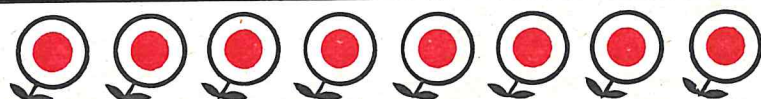


8 flowers

Take away 1 flower.

8 take away 1 is

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$



Take away 7 flowers.

8 take away 7 is

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

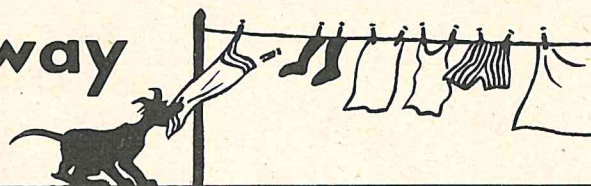
These 3 numbers go together.

7 1 8

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

TEACHER. — Follow the same procedure as for the previous page.

Take Away



9 bells

Take away 1 bell.

9 take away 1 is

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$



Take away 8 bells.

9 take away 8 is

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

These 3 numbers go together.

8 1 9

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$



10 boxes

Take away 1 box.

10 take away 1 is

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$



Take away 9 boxes.

10 take away 9 is ____

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

These 3 numbers go together.

9 1 10

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

TEACHER. — Follow the same procedure as for the previous page.

Write the Answers

7 and 1 are	8 take away 7 is
3 and 1 are	4 take away 3 is
8 and 1 are	9 take away 8 is
4 and 1 are	5 take away 4 is
1 and 6 are	7 take away 1 is
2 and 1 are	3 take away 2 is
1 and 5 are	6 take away 1 is
9 and 1 are	10 take away 9 is
1 and 8 are	9 take away 1 is
6 and 1 are	7 take away 6 is
1 and 7 are	8 take away 1 is
1 and 9 are	10 take away 1 is

Subtraction



Jack had 4 marbles. He lost 1 marble.
How many did he have left?

$$\begin{array}{r} 7 \\ -1 \\ \hline 6 \end{array}$$

This is called subtraction.

Subtract these numbers.

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

Find the Answers

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

Problems

Jane had 4 jacks. She lost 3 jacks.
How many jacks did she have left?



$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

Dick had 6 marbles. He lost 5 marbles.
How many marbles did he have left?

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$



Mary had 5 dolls. She lost 4 dolls.
How many dolls did she have left?



$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

7 birds were in a tree. 6 of the
birds flew away. How many birds
were left?

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$



TEACHER. — Children should read these problems orally first. Then they should write in the answers.

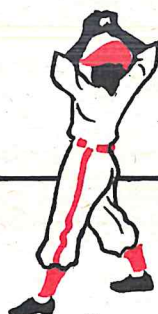
Adding Zero

Bob made 5 runs in a game of ball.

In the next game he made 1 more run.

How many runs did Bob make?

5 and 1 are



$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

Mary made 7 runs in a game of ball.

In the next game she made nothing.

How many runs did Mary make?

7 and nothing are

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$



0 is nothing. Zero is nothing.
0 is Zero. Zero is 0.

Sam made 4 runs in a game of ball.

In the next game he made nothing.

How many runs did Sam make?

4 and nothing are

$$\begin{array}{r} 4 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +0 \\ \hline \end{array}$$

4 and 0 are

TEACHER. — Before beginning the work on this page, use objects to demonstrate the difference between adding one more and adding nothing more.

Adding Other Zero Numbers

5 and 0 are, so 0 and 5 are

7 and 0 are, so 0 and 7 are

2 and 0 are, so 0 and 2 are

4 and 0 are, so 0 and 4 are

1 and 0 are, so 0 and 1 are

9 and 0 are, so 0 and 9 are

6 and 0 are, so 0 and 6 are

3 and 0 are, so 0 and 3 are

8 and 0 are, so 0 and 8 are

Add These Zero Numbers



$$\begin{array}{r} 0 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 0 \\ \hline \end{array}$$

Test

Add These Numbers

$$\begin{array}{r} 1 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 8 \\ \hline \end{array}$$



Subtracting Zero

Tom had 5 pennies. He spent 5 pennies.
How many pennies did he have left?.....



$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

Judy had 5 pennies. She spent nothing.
How many pennies did she have left?.....

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

Jim had 7 marbles. He lost his 7 marbles.
How many marbles did he have left?.....

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$



Betty had 7 marbles. She lost none of her
marbles. How many marbles did she have
left?

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

TEACHER. — Use objects to show how many are left when none are taken away from a specific number, and when the whole amount is taken away.

Children should read the page orally, then write in the answers.

Subtracting Other Zero Numbers

7 take away 7 is, so 7 take away 0 is

9 take away 9 is, so 9 take away 0 is

4 take away 4 is, so 4 take away 0 is

1 take away 1 is, so 1 take away 0 is

3 take away 3 is, so 3 take away 0 is

6 take away 6 is, so 6 take away 0 is

8 take away 8 is, so 8 take away 0 is

2 take away 2 is, so 2 take away 0 is

5 take away 5 is, so 5 take away 0 is

Subtract These Numbers

$$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$$



Find the Answers

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

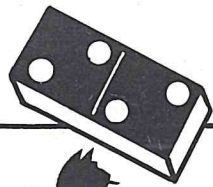
$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

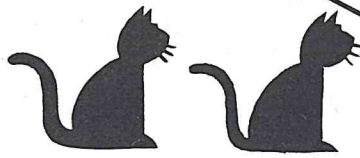
$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

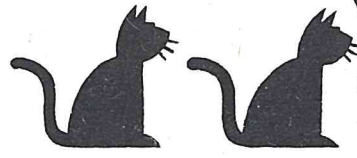
$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$



Doubles



and



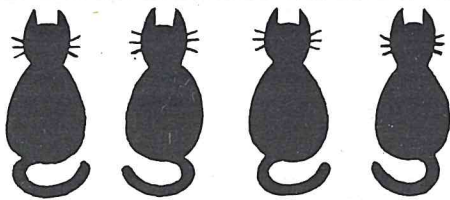
are

2 and 2 are

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$



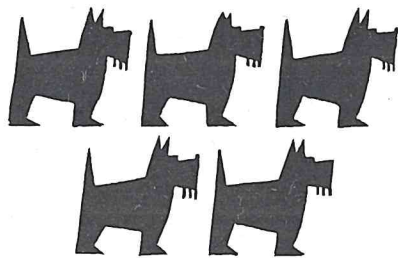
Take away 2 cats.

4 take away 2 is

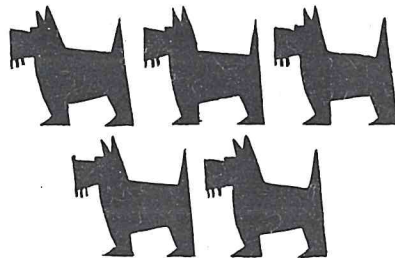
$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$



and



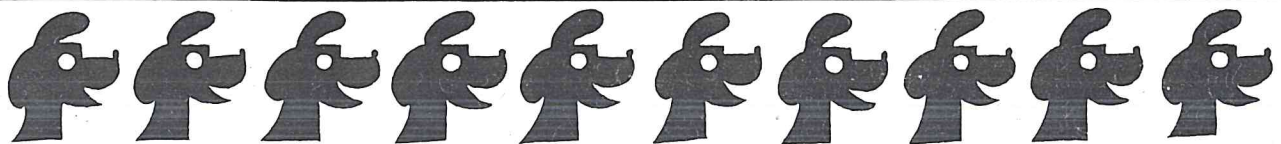
are

5 and 5 are

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$



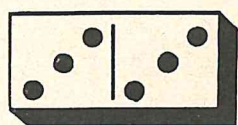
Take away 5 dogs.

10 take away 5 is

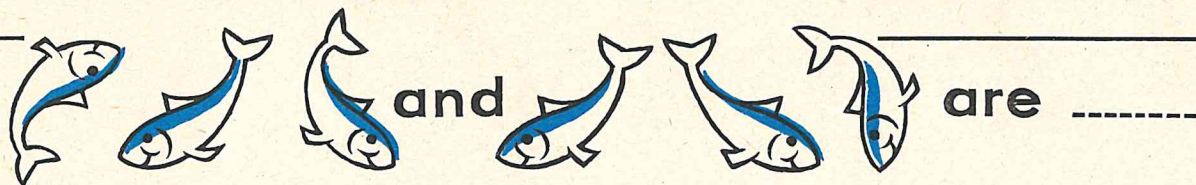
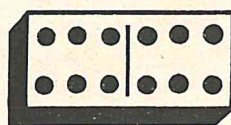
$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$



Doubles



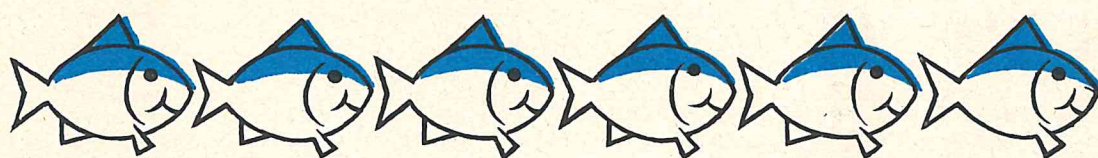
are

3 and 3 are

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$



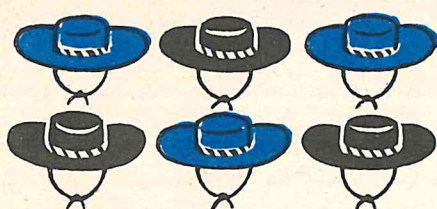
Take away 3 fish.

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

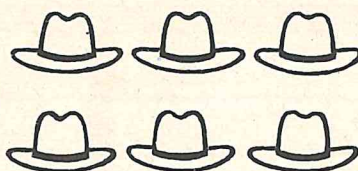
$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

6 take away 3 is



and



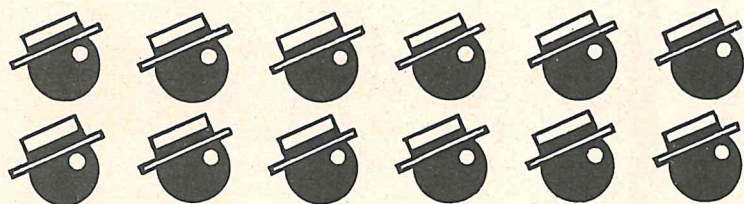
are

6 and 6 are

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$



Take away 6 hats.

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

12 take away 6 is

Write the Answers

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

5 and are **10**

10 take away **5** is

2 and are **4**

4 take away **2** is

6 and are **12**

12 take away **6** is

3 and are **6**

6 take away **3** is

Set 1 – Practice Cards

$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$

TEACHER. — The children may make separate practice cards on heavier paper by using this page as a pattern. On one side they should write the combination, on the reverse its answer. These cards are to be used as practice cards. The children should study the various combinations by themselves. After sufficient time is allowed, they may then test their neighbors and have their neighbors test them. Encourage the children to teach themselves by learning the answers without having to count to find the answer. The teacher should then test the children. When the teacher is satisfied that the children know these combinations, she may ask them to color the picture for Set 1 on the chart on page 126.



Write the Answers

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

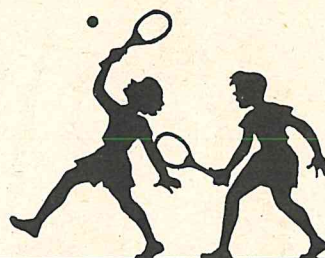
$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$



More Doubles



$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

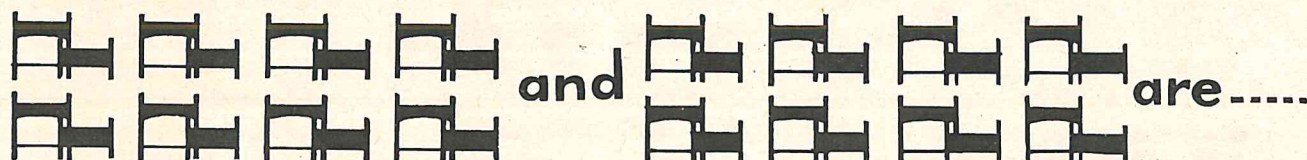
4 and 4 are



Take away 4 cows.

$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

8 take away 4 is



$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

8 and 8 are

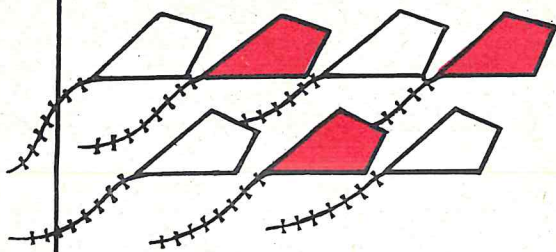
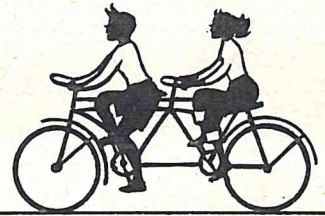


Take away 8 beds.

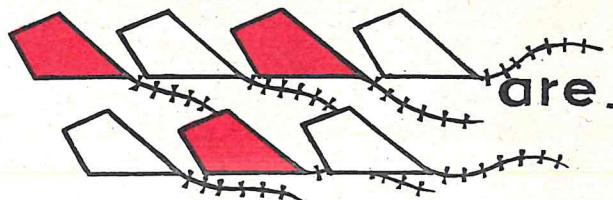
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

16 take away 8 is

More Doubles



and



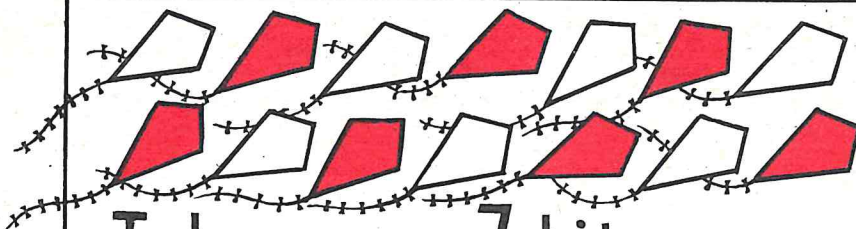
are

7 and 7 are

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$



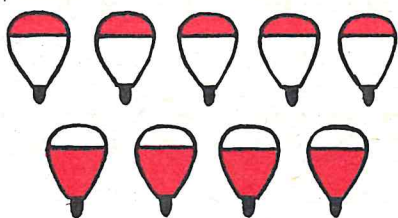
Take away 7 kites.

14 take away 7 is

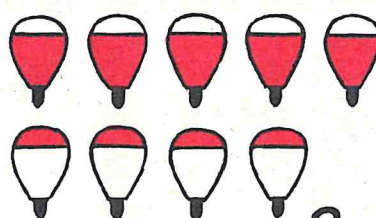
$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$



and



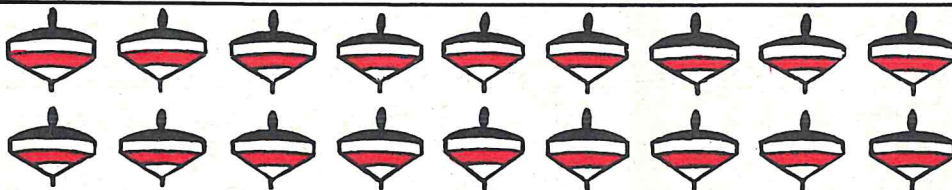
are

9 and 9 are

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$



Take away 9 tops.

18 take away 9 is

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

Write the Answers

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

8 and are **16**

16 take away **8** is.....

4 and are **8**

8 take away **4** is.....

9 and are **18**

18 take away **9** is.....

7 and are **14**

14 take away **7** is.....

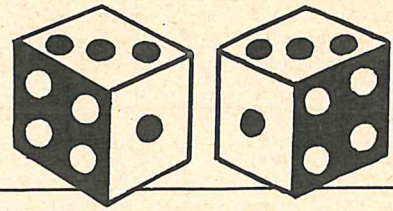
Set 2—Practice Cards

$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$
--	--	--	---

$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$
--	---	--	---

TEACHER. — Follow the same procedure as for the first set of practice cards, page 33. Color the picture for Set 2 on page 126.

More Doubles



3 and are **6** **6** take away **3** is

6 and are **12** **12** take away **6** is

4 and are **8** **8** take away **4** is

9 and are **18** **18** take away **9** is

8 and are **16** **16** take away **8** is

5 and are **10** **10** take away **5** is

2 and are **4** **4** take away **2** is

7 and are **14** **14** take away **7** is

Add These Doubles

$$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 9 \\ \hline \end{array}$$

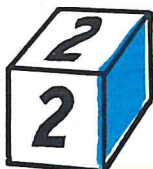
$$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$$



Subtract These Doubles

$$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$



Test

Write the Answers

$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

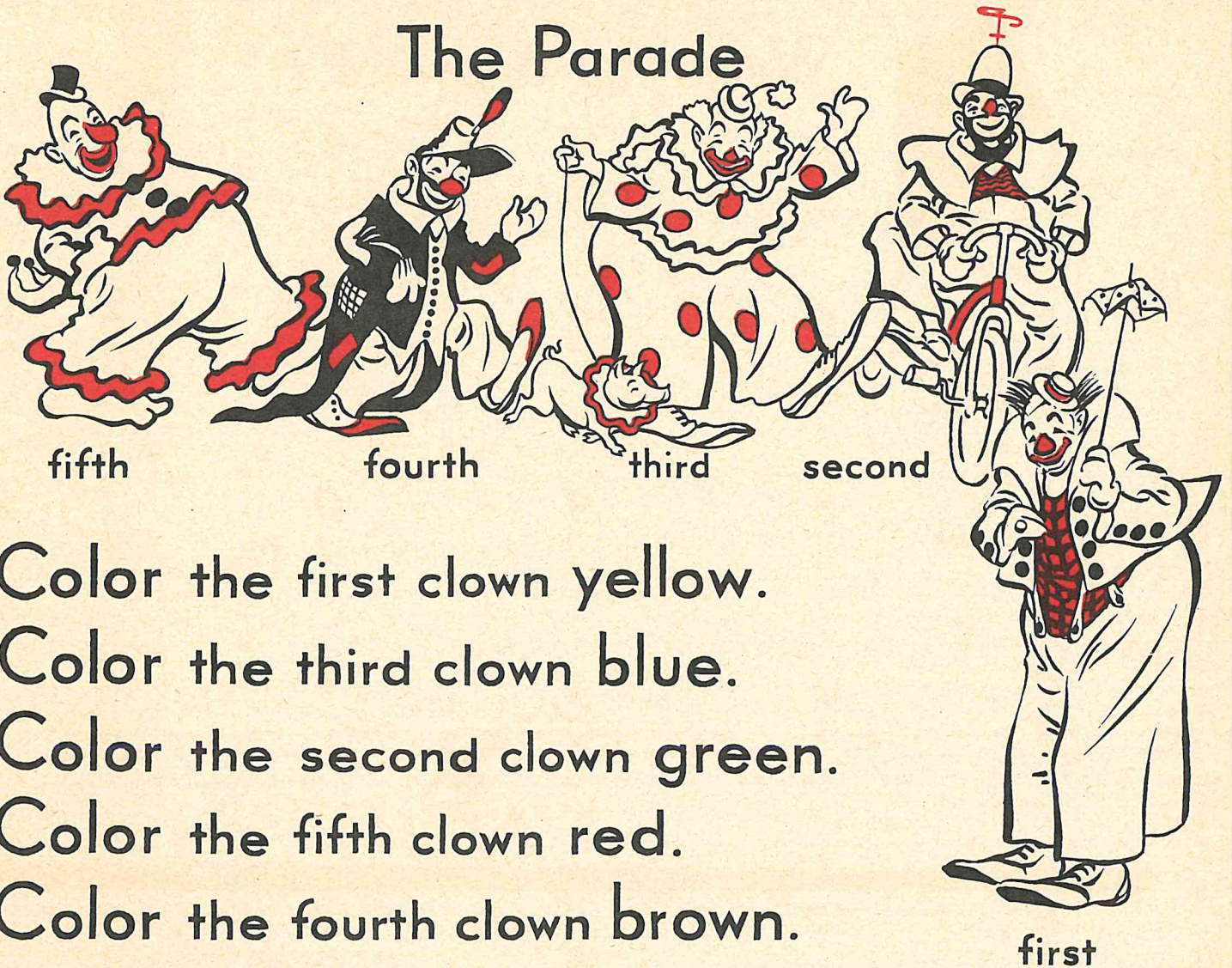
$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

The Parade

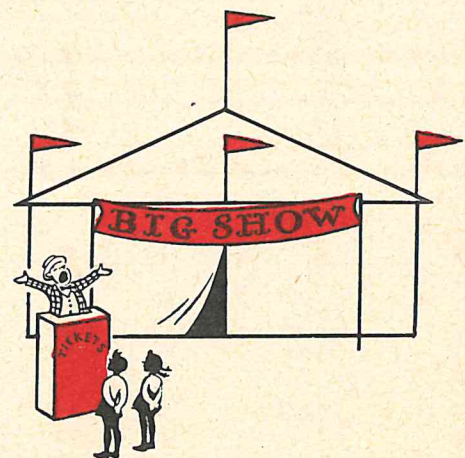


Color the first clown yellow.
 Color the third clown blue.
 Color the second clown green.
 Color the fifth clown red.
 Color the fourth clown brown.

The second clown is green.
 The fifth clown is
 The third clown is
 The first clown is
 The fourth clown is

Write the words.

...first...

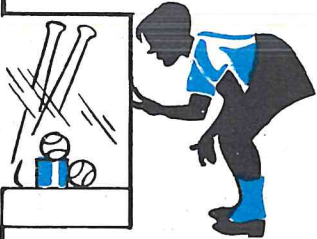


TEACHER. — The children should read this page orally before completing the work.

Adding a New Way

SPORTING
GOODS

Tom had 3 balls. He bought one more ball. How many balls did Tom have?



3 balls and 1 ball are

3 and 1 are

$3 + 1 =$

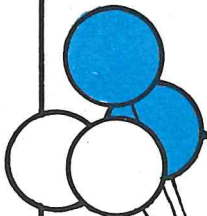
Sue ate 2 cookies. She ate one more cookie. How many cookies were there?



2 cookies and 1 cookie are

2 and 1 are

$2 + 1 =$



Bob had 4 big balloons and one small balloon. How many balloons did Bob have?

4 balloons and 1 balloon are

4 and 1 are

$4 + 1 =$

TEACHER. — The children should read this page orally before completing the work.

Write the Answers

$5 + 5 = \dots\dots$

$5 + \dots\dots = 10$

$7 + 7 = \dots\dots$

$7 + \dots\dots = 14$

$6 + 0 = \dots\dots$

$6 + \dots\dots = 6$

$9 + 9 = \dots\dots$

$9 + \dots\dots = 18$

$1 + 8 = \dots\dots$

$1 + \dots\dots = 9$

$0 + 4 = \dots\dots$

$0 + \dots\dots = 4$

$9 + 1 = \dots\dots$

$9 + \dots\dots = 10$

$8 + 8 = \dots\dots$

$8 + \dots\dots = 16$

The Twelve Months



There are months.

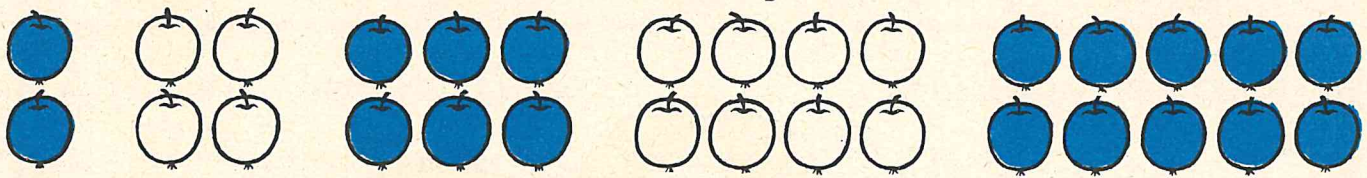
The first month is

The 12th month is

February is in Winter—Summer.

July is in Winter—Summer.

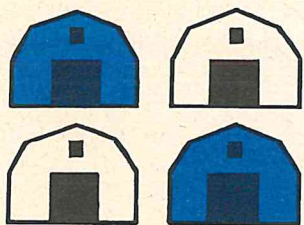
Count by 2's



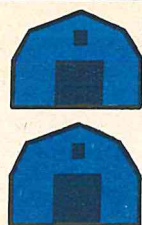
2

2, 4, 6, 8, 10 are called even numbers.

Write the even numbers.



and



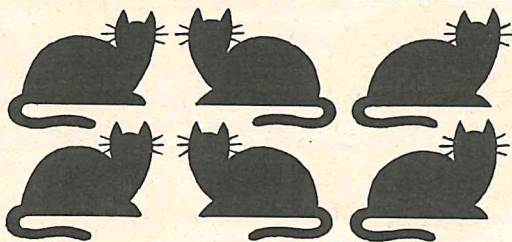
are

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

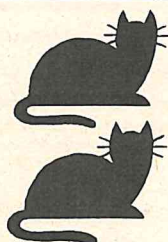
$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

4 and 2 are -----



and



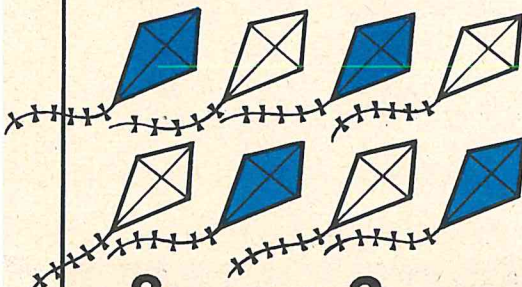
are

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

6 and 2 are -----



and



are

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

8 and 2 are -----

2**4****6****8****10**

When you add 2 more to an even number,
the answer is the next even number.

The even number after **4** is.....
4 and **2** are

The even number after **6** is.....
6 and **2** are

The even number after **8** is

8 and **2** are

6 and 2 are	2 and 6 are
4 and 2 are	2 and 4 are
8 and 2 are	2 and 8 are

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

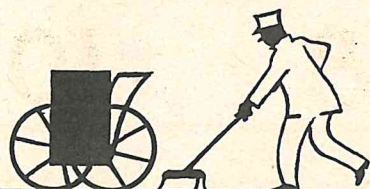
$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

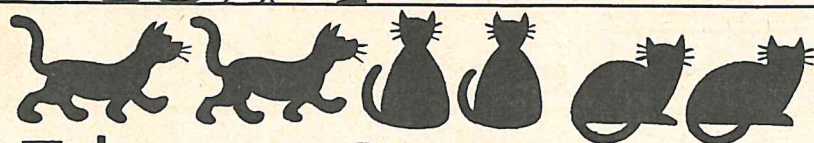
$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

TEACHER. — The children should read this page orally before completing the work.



Take Away



Take away 2 cats.

6 take away 2 is

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$



Take away 4 cats.

6 take away 4 is

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

These 3 numbers go together.

4 2 6

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$



Take away 2 boys.

8 take away 2 is

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$



Take away 6 boys.

8 take away 6 is

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

These 3 numbers go together.

6 2 8

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$



Take Away



Take away 2 girls.

10 take away 2 is

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$



Take away 8 girls.

10 take away 8 is

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

These 3 numbers go together.

8 2 10

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

Write the even numbers.

Write the even numbers from 10 back to 2

10 6 2

10

When you take away 2 from an even number, the answer is the even number before it.

10 take away 2

The even number before 10 is

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

6 take away 2

The even number before 6 is

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

8 take away 2

The even number before 8 is

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

TEACHER. — Give oral practice by saying one of the even numbers and asking the children to say the even number that comes before it. Do this several times with each even number.
The children should read the page orally before completing the work.



Take Away



6 take away 2 is 6 take away 4 is

10 take away 2 is 10 take away 8 is

8 take away 2 is 8 take away 6 is

Write the missing numbers.

$$\begin{array}{r} 2 \\ + \\ \hline 6 \end{array}$$

$$\begin{array}{r} 4 \\ + \\ \hline 6 \end{array}$$

$$\begin{array}{r} 6 \\ - \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ - \\ \hline 2 \end{array}$$

$$\begin{array}{r} 8 \\ + \\ \hline 10 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ \hline 10 \end{array}$$

$$\begin{array}{r} 10 \\ - \\ \hline 8 \end{array}$$

$$\begin{array}{r} 10 \\ - \\ \hline 2 \end{array}$$

$$\begin{array}{r} 6 \\ + \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ - \\ \hline 6 \end{array}$$

$$\begin{array}{r} 8 \\ - \\ \hline 2 \end{array}$$

Odd Numbers

1 2 3 4 5 6 7 8 9 10

1, 3, 5, 7, 9 are called odd numbers.

Write the odd numbers.

1 5 9

1 _____

Write the odd number that comes next.

5 3 7

Write the even numbers.

2

Write the odd numbers.

TEACHER. — Lead the children to discover that the odd numbers are every other number starting with one. Children should read the page orally before completing the work.

1

3

5

7

9



and



are

3 and 2 are

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$



and



are



5 and 2 are

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$



and



are

7 and 2 are

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

1 3 5 7 9

When you add 2 more to an odd number, the answer is the next odd number.

The odd number after 5 is

5 and 2 are

$5 + 2 =$

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

The odd number after 3 is

3 and 2 are

$3 + 2 =$

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

The odd number after 7 is

7 and 2 are

$7 + 2 =$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

TEACHER. — The children should first read this page orally.

Set 3 - Practice Cards

$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$

TEACHER. — Children may make practice cards using these combinations. They should teach themselves as with previous practice cards. When they know them, they may color the picture for Set 3 on the chart on page 126.

Take Away



Take away 2 stores .

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

5 take away 2 is



Take away 3 stores .

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

5 take away 3 is

These 3 numbers go together .

3 2 5

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$



Take away 2 houses .

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

7 take away 2 is



Take away 5 houses .

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

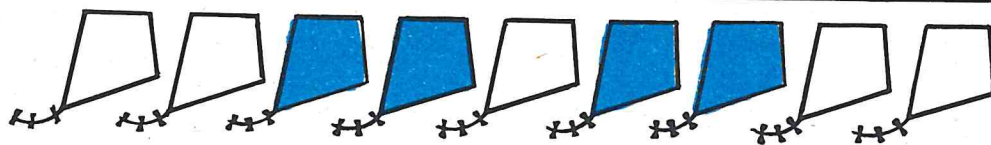
7 take away 5 is

These 3 numbers go together .

5 2 7

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

Take Away



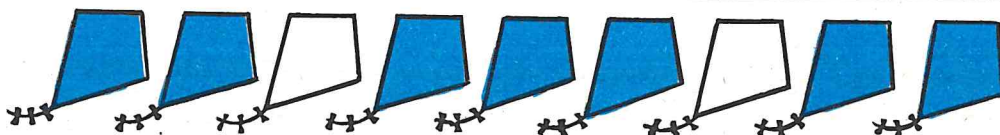
Take away 2 kites.

9 take away 2 is

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$



Take away 7 kites.

9 take away 7 is

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

These 3 numbers go together.

7 2 9

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

Write the answers.

$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

Write the odd numbers.

1

Write the odd numbers from 9 back to 1

9

5

1

9

9

When you take away 2 from an odd number, the answer is the odd number before it.

The odd number before 9 is

9 take away 2 is

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

The odd number before 5 is

5 take away 2 is

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

The odd number before 7 is

7 take away 2 is

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$



Take Away

5 take away 2 is 5 take away 3 is

9 take away 2 is 9 take away 7 is

7 take away 2 is 7 take away 5 is

Write the missing numbers.

$$\begin{array}{r} 3 \\ + \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5 \\ - \\ \hline 3 \end{array}$$

$$\begin{array}{r} 5 \\ - \\ \hline 2 \end{array}$$

$$\begin{array}{r} 7 \\ + \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ \hline 9 \end{array}$$

$$\begin{array}{r} 9 \\ - \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ - \\ \hline 2 \end{array}$$

$$\begin{array}{r} 5 \\ + \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ \hline 7 \end{array}$$

$$\begin{array}{r} 7 \\ - \\ \hline 5 \end{array}$$

$$\begin{array}{r} 7 \\ - \\ \hline 2 \end{array}$$

Set 4 – Practice Cards

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

TEACHER. — Same directions as those for page 56.

Add and Subtract

$$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

Read these numbers.

$$\begin{array}{r} 43 \\ + 22 \\ \hline \end{array}$$

.....

There are ones in the top number.

There are ones in the other number.

Add the 3 ones and the 2 ones. Write the answer.

There are tens in the top number.

There are tens in the other number.

Add the 4 tens and the 2 tens. Write the answer.

Read these numbers.

$$\begin{array}{r} 52 \\ + 26 \\ \hline \end{array}$$

.....

There are ones in the top number.

There are ones in the other number.

Add the 2 ones and the 6 ones. Write the answer.

There are tens in the top number.

There are tens in the other number.

Add the 5 tens and the 2 tens. Write the answer.

Add the ones first.

TEACHER. — Have the children read this page orally.

Add the Ones First

$$\begin{array}{r} 90 \\ +93 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 26 \\ +82 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 94 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +92 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ +47 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ +87 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +62 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ +71 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ +61 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +62 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ +81 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +73 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ +21 \\ \hline \end{array}$$

TEACHER. — Do examples of this type first on the blackboard. Emphasize that the ones column must be added first, then the tens column. Stress the correct placement of answers — ones under the ones column, tens under the tens column.

Which numbers do you add first?

$$\begin{array}{r} 71 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 93 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ + 6 \\ \hline \end{array}$$

TEACHER. — Demonstrate on the blackboard several examples, showing addition with one place lower addend, or one place upper addend. Stress the placement of one place figure in ones column.

Subtract the Ones First

Say 7 take away 6 is

Say 10 take away 1 is

$$\begin{array}{r} 107 \\ -16 \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ -71 \\ \hline \end{array}$$

$$\begin{array}{r} 184 \\ -93 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ -74 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ -46 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ -51 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -87 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ -61 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -96 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -85 \\ \hline \end{array}$$

$$\begin{array}{r} 169 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -51 \\ \hline \end{array}$$

$$\begin{array}{r} 102 \\ -22 \\ \hline \end{array}$$

TEACHER. — Emphasize that the ones column must be subtracted first. Stress the correct placement of answers — ones under the ones column, etc.

More Subtraction

Which numbers do you subtract first?

$$\begin{array}{r} 109 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 166 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 147 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -2 \\ \hline \end{array}$$

TEACHER. — Demonstrate on the board examples of subtraction with two-place minuend and one-place subtrahend. Stress the correct placement of one-place subtrahend.



More Addition



Which numbers do you add first?

$$\begin{array}{r} 62 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ + 92 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ + 26 \\ \hline \end{array}$$



More Subtraction

Which numbers do you subtract first?

$$\begin{array}{r} 99 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ -84 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 167 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ -70 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -56 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -85 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -28 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -86 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} 146 \\ -74 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -86 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -62 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -77 \\ \hline \end{array}$$

Problems

Jim had 10 cookies. He ate 2 cookies.
How many cookies did he have left?



Bob had 8 tops. He bought 2 more
tops. How many tops did he have then?

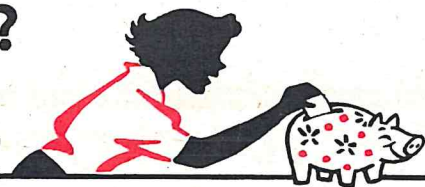


Jane had 7 birds. One day 5 birds
flew away. How many birds were left?



Mary had 5 dollars. Mother gave her 2
more dollars. How many dollars did Mary
have?

\$

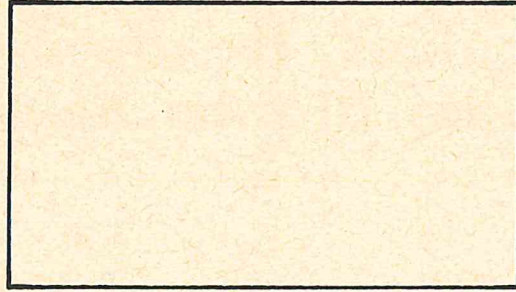


Ann had 7 books. She read 2 of them.
How many more books does she have
to read?

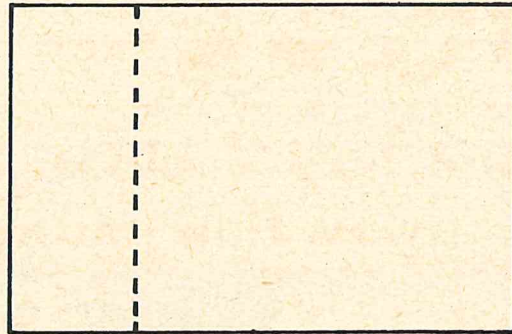
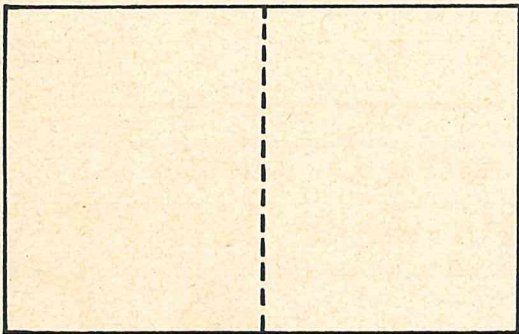


TEACHER. — Allow the class to read these problems orally. They may then write in the correct answers.

One Half $\frac{1}{2}$



You have been given a piece of paper like this.
Fold your paper into 2 parts.



Tom folded his paper like this.

Each part is $\frac{1}{2}$

Write $\frac{1}{2}$ in each part.

Mary folded her paper like this.

Is each part $\frac{1}{2}$?

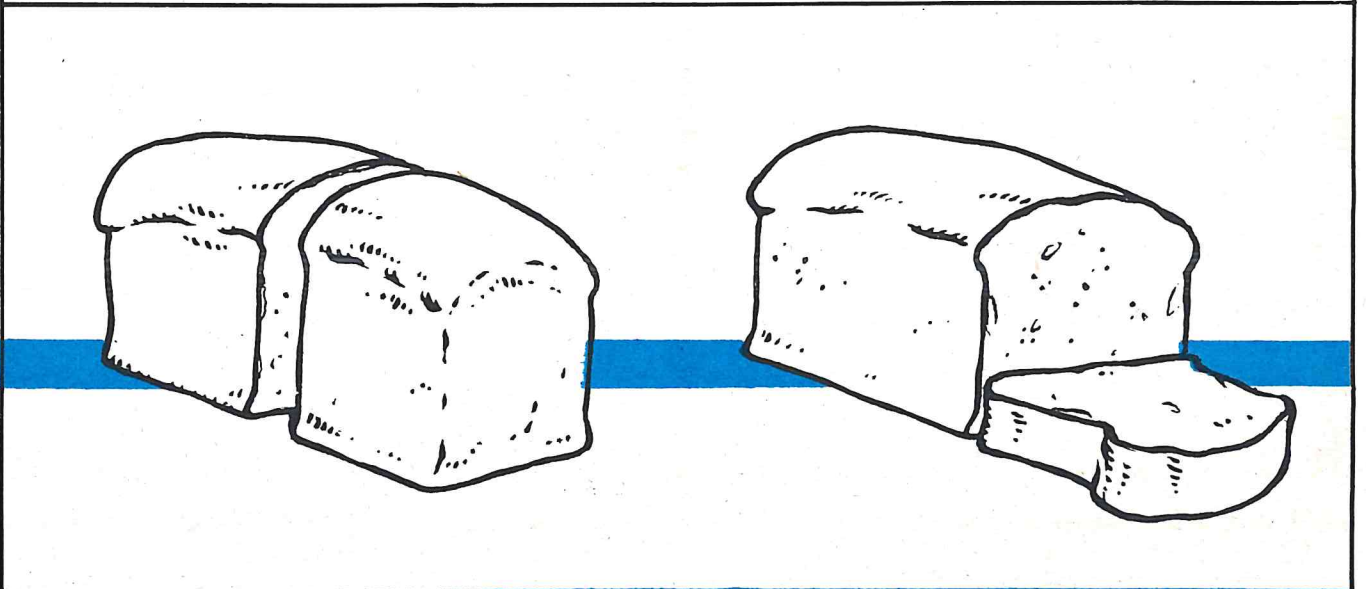
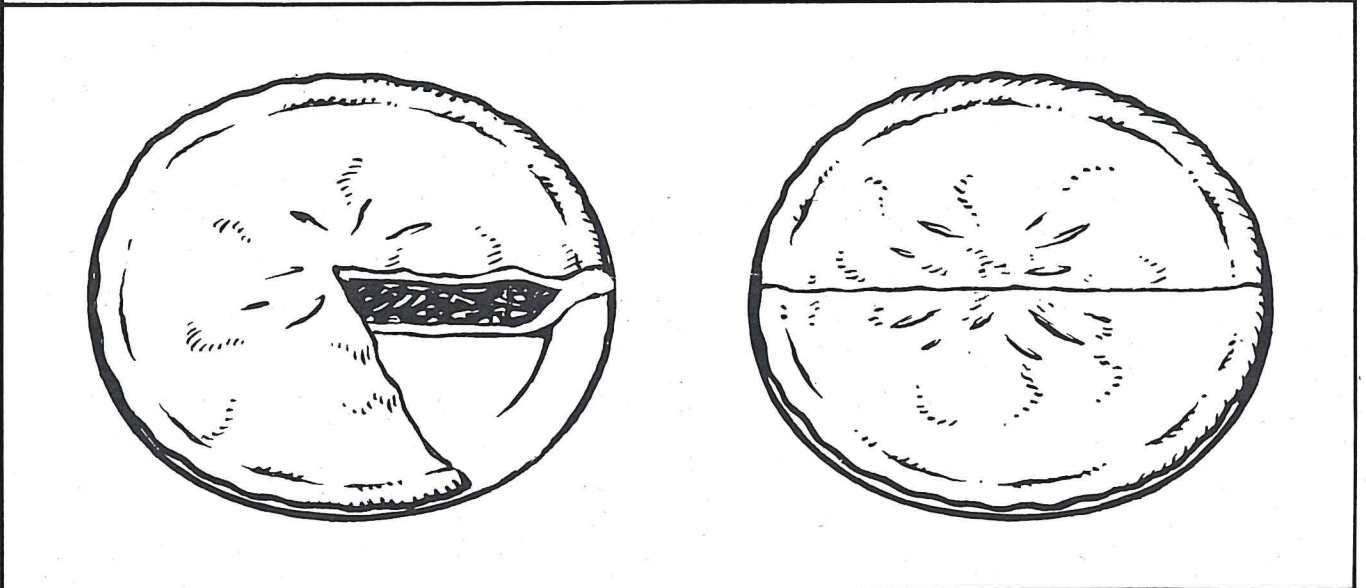
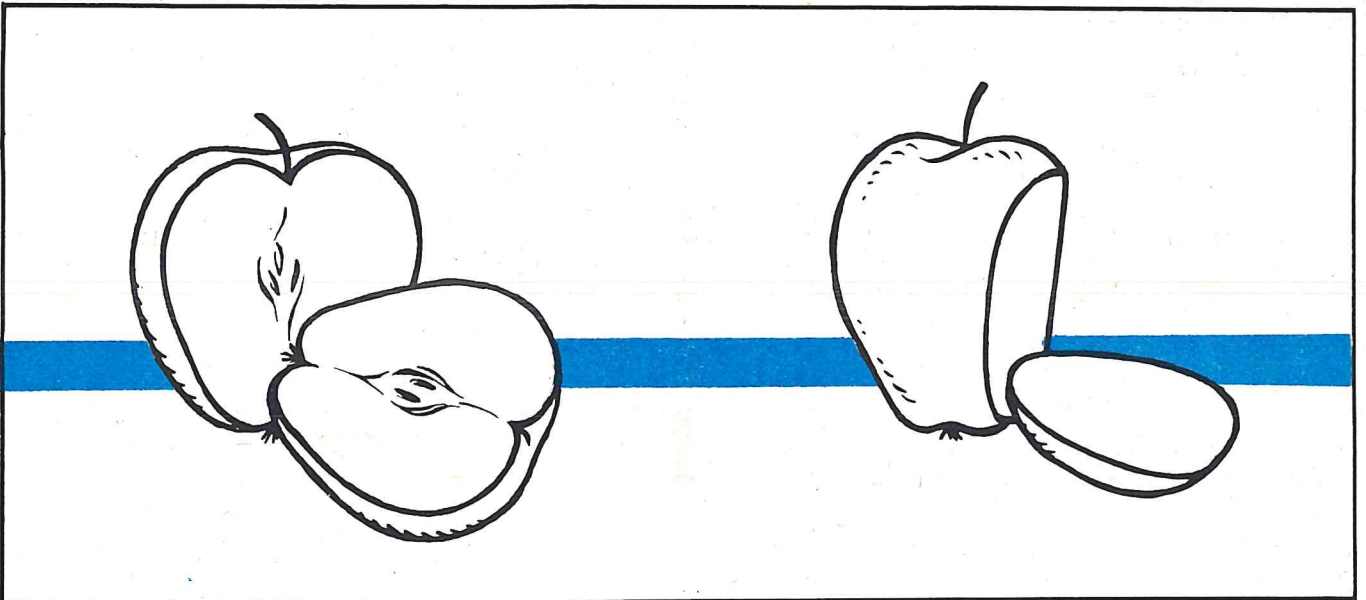
Why?

When we divide something into 2 parts which are the same size, each part is called one half.

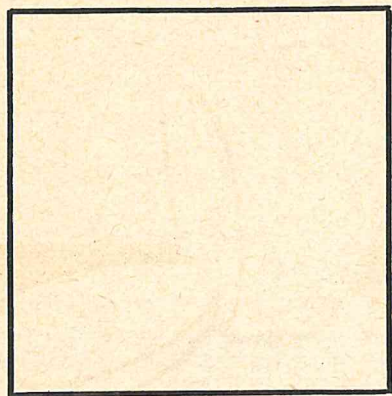
One half is written $\frac{1}{2}$

TEACHER. — Give each child a piece of paper and ask to have it folded into two parts. Hold up the papers of different children, and let the class decide which are folded in half and why.
The children are to read this page orally.

Which are cut in half? Color only the halves.

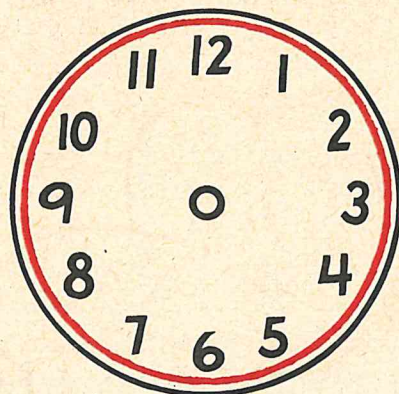


One Half $\frac{1}{2}$



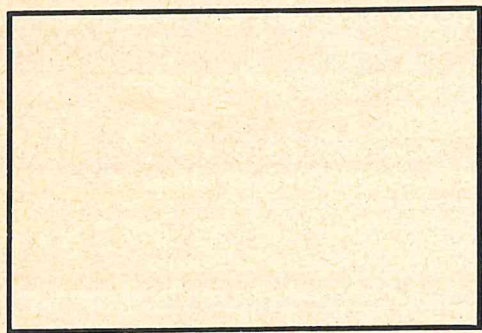
Draw a line to make
2 halves.

Write $\frac{1}{2}$ in each part.
Color $\frac{1}{2}$ of the square.



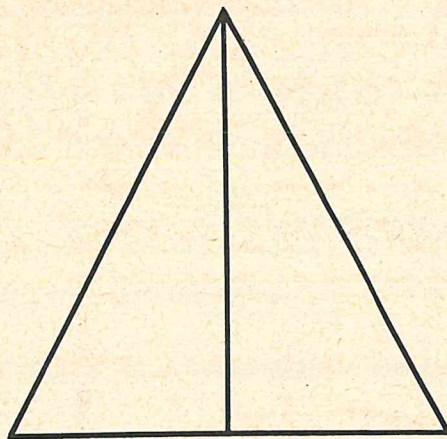
Draw a line from the
12 to the 6 to make
2 halves.

Write $\frac{1}{2}$ in each part.
Color $\frac{1}{2}$ of the clock.



Draw a line to make
2 halves.

Write $\frac{1}{2}$ in each part.
Color $\frac{1}{2}$ of the rectangle.

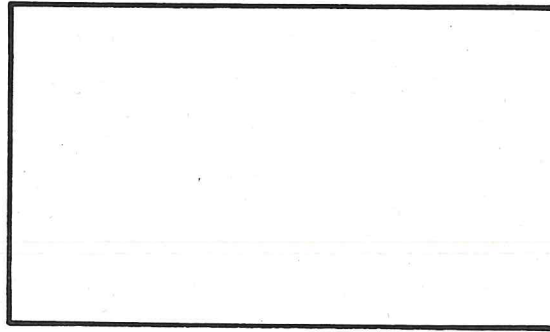


The line makes 2
halves.

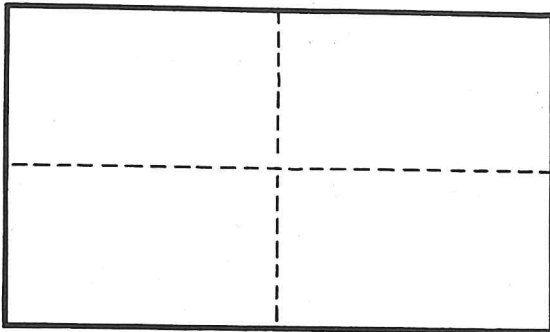
Write $\frac{1}{2}$ in each part.
Color $\frac{1}{2}$ of the triangle.

TEACHER. — Allow the children to discuss the difference in shape of the square, circle, rectangle, and triangle.
The children are to read this page orally.

One Fourth $\frac{1}{4}$



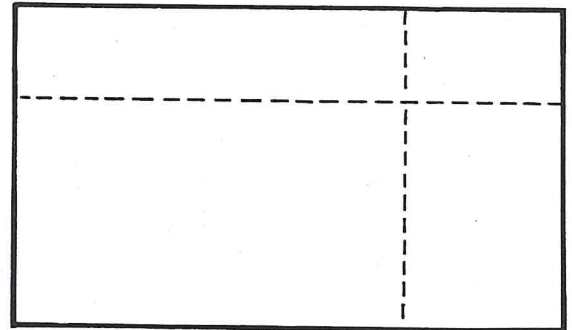
You have been given a piece of paper like this.
Fold your paper into 4 parts.



Bob folded his paper
like this.

Each part is $\frac{1}{4}$

Write $\frac{1}{4}$ in each part.



Jane folded her paper
like this.

Is each part a $\frac{1}{4}$?

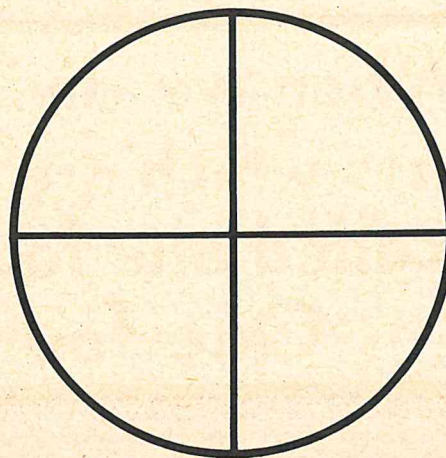
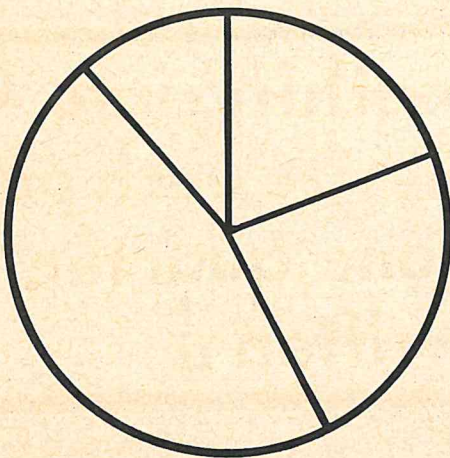
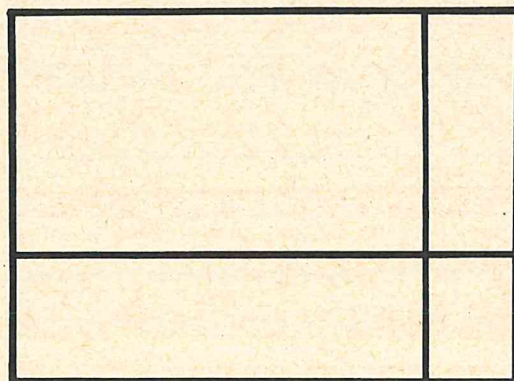
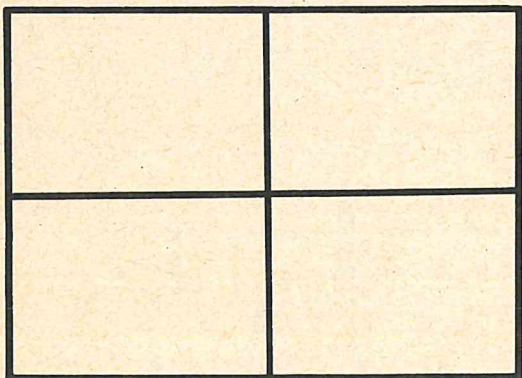
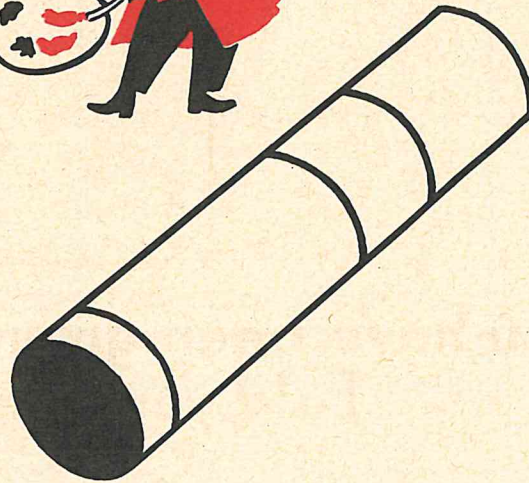
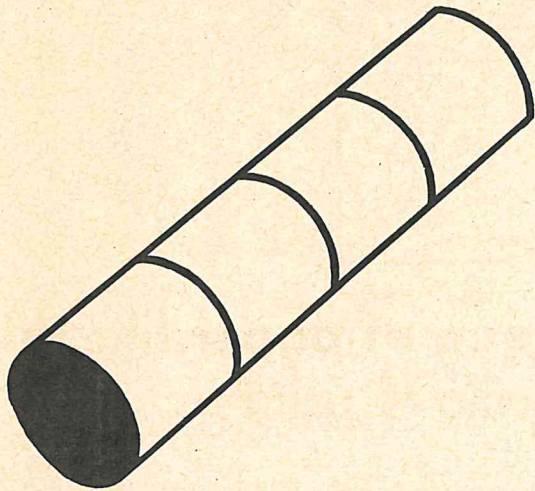
Why?

**When we divide something into 4
parts which are the same size, each part
is called one fourth or one quarter.**

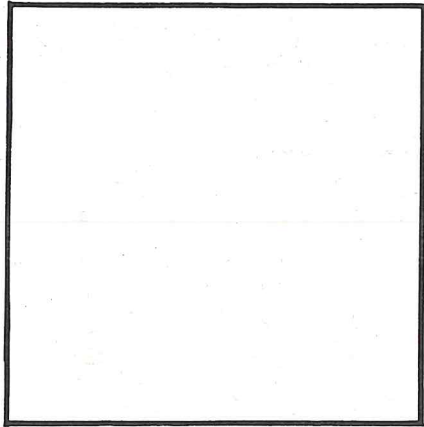
One fourth is written $\frac{1}{4}$

TEACHER. — Give each child a piece of paper and ask to have it folded into four parts. Hold up the papers of different children and let the class decide which are folded into fourths and why.
The children are to read this page orally.

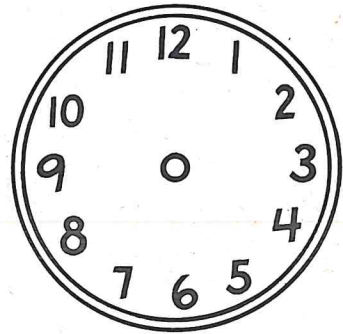
Which are cut into fourths? Color only the fourths.



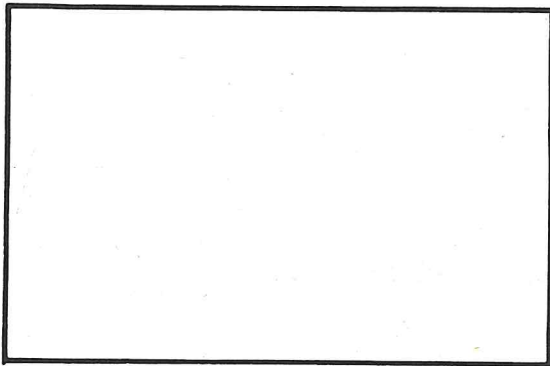
One Fourth $\frac{1}{4}$



Draw lines to make
4 fourths.
Write $\frac{1}{4}$ in each part.
Color $\frac{1}{4}$ of the square.



Draw a line from the
12 to the **6**
Draw a line from the
9 to the **3**
Write $\frac{1}{4}$ in each part.
Color $\frac{1}{4}$ of the clock.

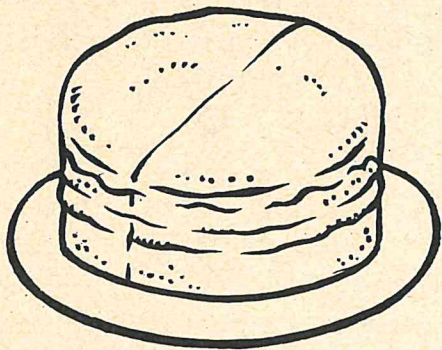


Draw lines to make
4 fourths.
Write $\frac{1}{4}$ in each part.
Color $\frac{1}{4}$ of the rectangle.



Draw lines to make
4 fourths.
Write $\frac{1}{4}$ in each part.
Color $\frac{1}{4}$ of the cake.

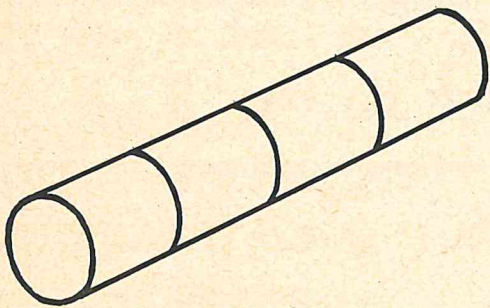
Draw a line around the right answer .
Color the pictures .



Each part of this
cake is —

$$\frac{1}{4}$$

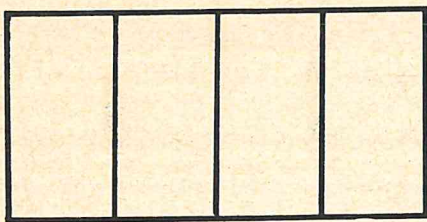
$$\frac{1}{2}$$



Each part of this
candy is —

$$\frac{1}{4}$$

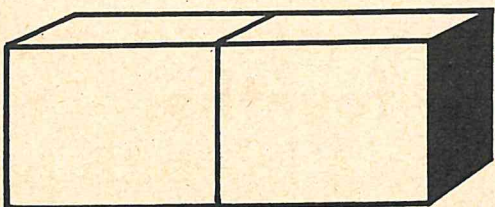
$$\frac{1}{2}$$



Each part of this
rectangle is —

$$\frac{1}{4}$$

$$\frac{1}{2}$$



Each part of this
box is —

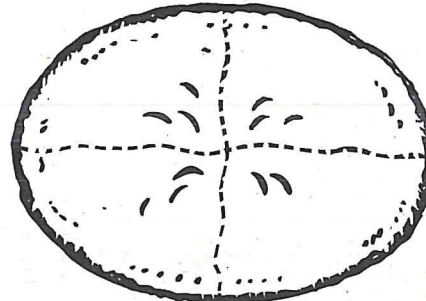
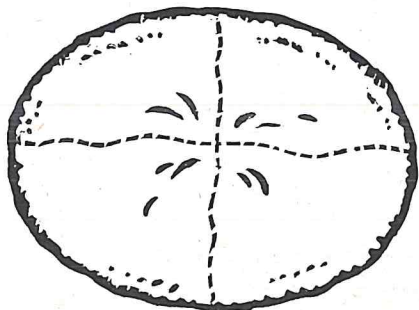
$$\frac{1}{4}$$

$$\frac{1}{2}$$

How Big?

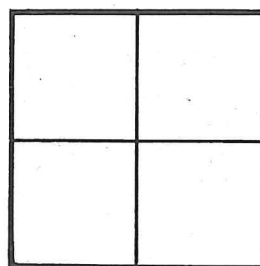
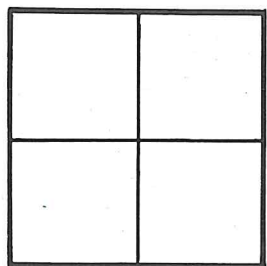
Which is larger? Which is smaller?

Color $\frac{1}{2}$ of this pie. Color $\frac{1}{4}$ of this pie.



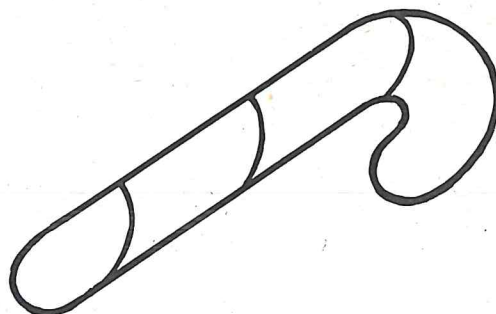
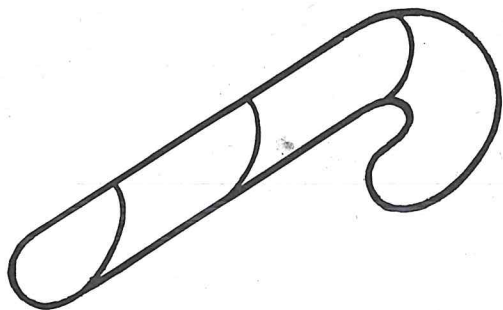
Which is larger? $\frac{1}{4}$ $\frac{1}{2}$

Color $\frac{1}{4}$ of this square. Color $\frac{1}{2}$ of this square.



Which is smaller? $\frac{1}{4}$ $\frac{1}{2}$

Color $\frac{1}{2}$ of this candy. Color $\frac{1}{4}$ of this candy.

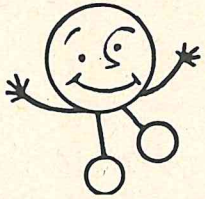


Which is larger? $\frac{1}{4}$ $\frac{1}{2}$

TEACHER. — As examples, use objects or the pupils themselves to demonstrate the meaning of larger and smaller. The children are to read this page orally. They should then draw a line around each correct answer.

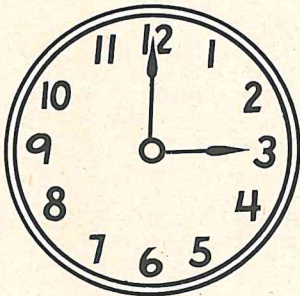
Can You Tell Time?

A Riddle – What has a face and 2 hands, but no body?

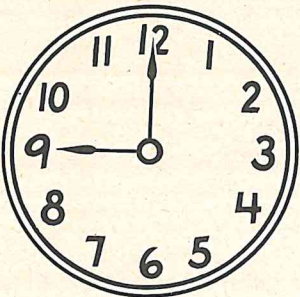


A clock has a face and 2 hands.
It has a long hand and a short hand.

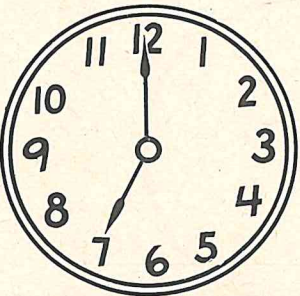
The long hand is the minute hand.
The short hand is the hour hand.



The long minute hand is at 12
The short hour hand is at
It is 3 o'clock.



The long minute hand is at 12
The short hour hand is at
It is o'clock.

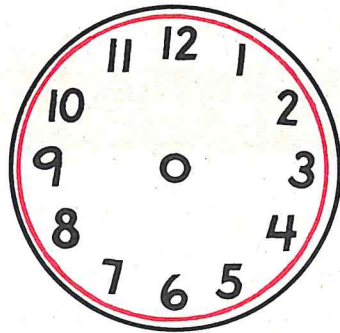


The long minute hand is at
The short hour hand is at
It is o'clock.

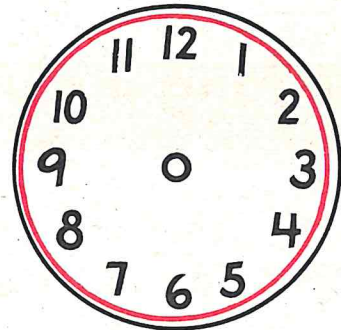
TEACHER. — The children should make clocks of paper plates or cardboard. The hands may be fastened with a round head fastener, so that the hands can move. Have the children write the hours on their clocks.
The children should read this page orally, and then fill in the blanks in the boxes.

When the long minute hand is
at 12 the clock says o'clock.

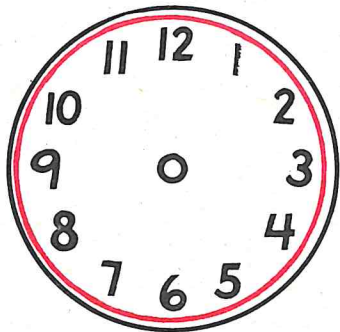
Draw the hands so the clocks will tell time.



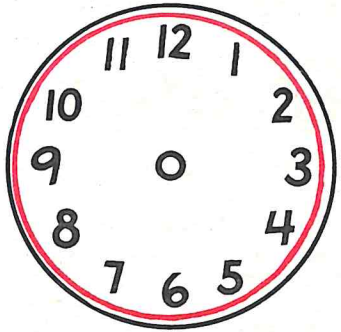
4 o'clock



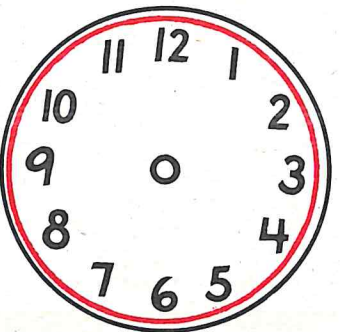
8 o'clock



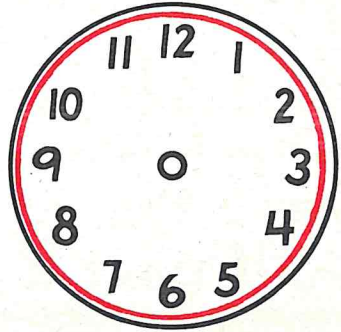
10 o'clock



6 o'clock

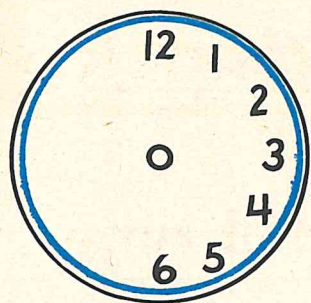


7 o'clock



2 o'clock

Half Past



Draw a line from the 12 to the 6
to make 2 halves.

Each part is

Color the half where the numbers
are.

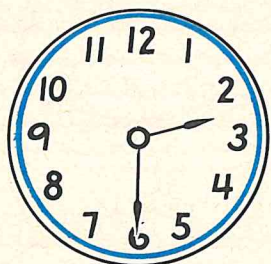
The long minute hand starts at the 12

It goes around and around the clock.

When it gets to the 6, it has gone half way
around the clock.

Draw the long minute hand at the 6 with
your black crayon.

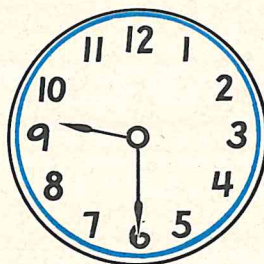
When the long minute hand is at the
6 the clock says half past.



The long minute hand
is at the 6

The short hour hand
is past the

It is half past 2



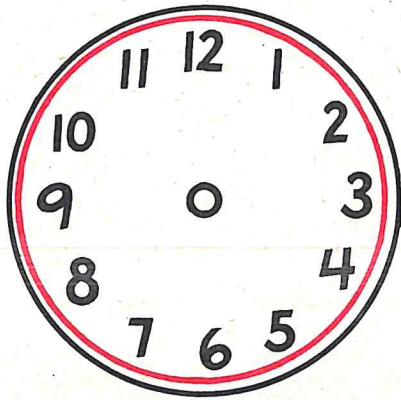
The long minute hand
is at the

The short hour hand
is past the

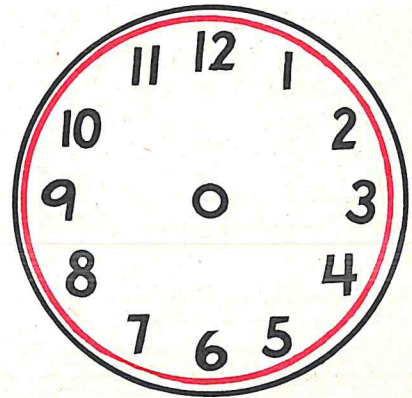
It is half past

TEACHER. — Show the children the direction in which the hands move. Let them move the long hand all around the clock to make a complete circle, then halfway round to the six, starting always at the twelve. Direct their attention to the short hand, and be sure that they understand why it is always past one number and on the way to the next number.

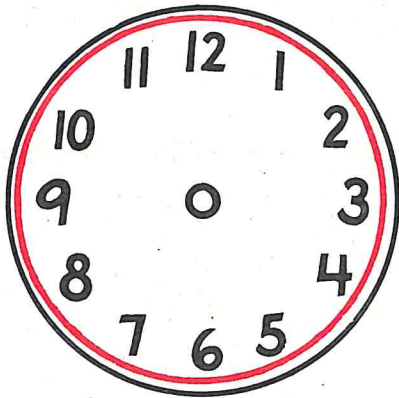
Draw the hands so the clock says —



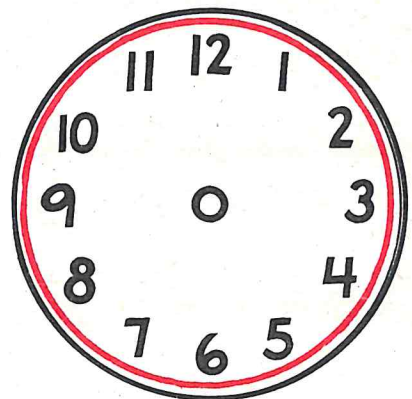
half past 4



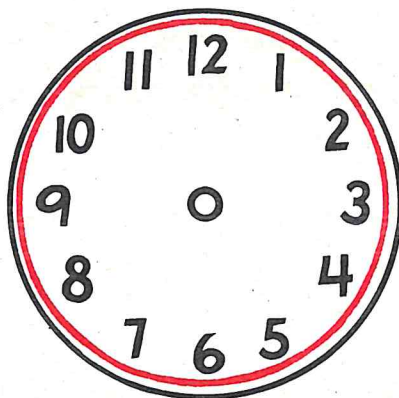
half past 7



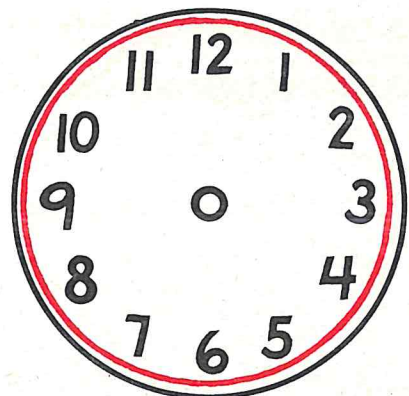
half past 9



half past 3

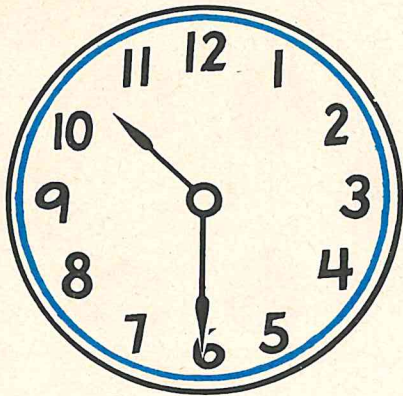


half past 2

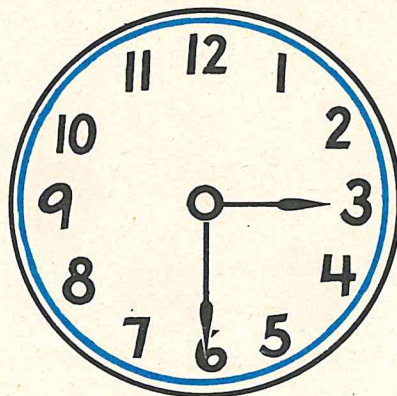


half past 12

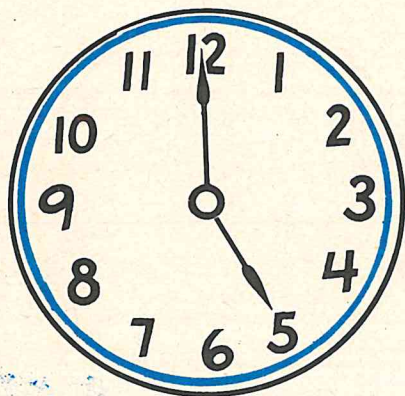
What time is it ?



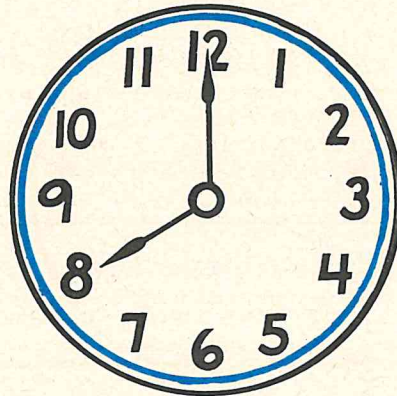
half past



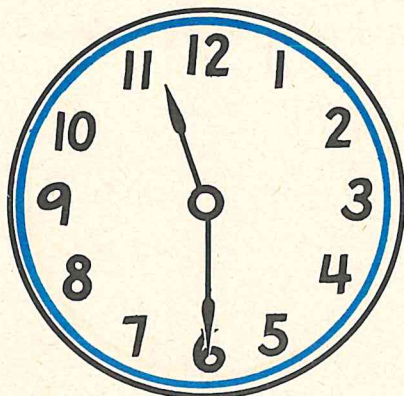
half past



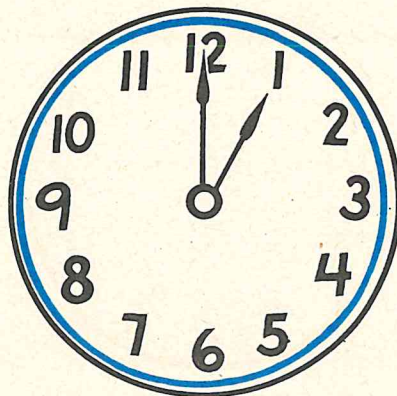
..... o'clock



..... o'clock



half past



..... o'clock

10

100

5

50





2

..... 30

3

[illegible]

New Addition

 and  are _____
 and  are _____

3 and 4 are 1 more than 3 and 3

3 and 3 are _____ 3 and 4 are _____
 3 and 3 are _____ 3 and 4 are _____
 3 and 3 are _____ 3 and 4 are _____

$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$
--	--	--	--	--	--

3 and 4 are _____ 4 and 3 are _____
 3 and 4 are _____ 4 and 3 are _____
 3 and 4 are _____ 4 and 3 are _____

$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$
--	--	--	--	--	--

Subtract



Take away 3 firemen.

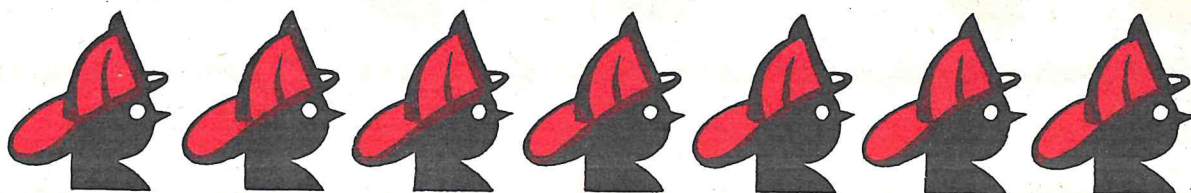
7 take away 3 is

3 from 7 is

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$



Take away 4 firemen.

7 take away 4 is

4 from 7 is

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

These 3 numbers go together.

$$\textcircled{4 \ 3 \ 7}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$4 + 3 = \dots\dots\dots$$

$$3 + 4 = \dots\dots\dots$$

$$7 - 3 = \dots\dots\dots$$

$$7 - 4 = \dots\dots\dots$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

Add One More



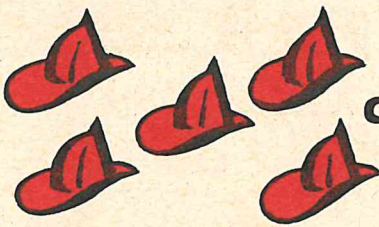
and



are -----



and



are -----

4 and 5 are 1 more than 4 and 4

4 and 4 are -----

4 and 5 are -----

4 and 4 are -----

4 and 5 are -----

4 and 4 are -----

4 and 5 are -----

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

4 and 5 are -----

5 and 4 are -----

4 and 5 are -----

5 and 4 are -----

4 and 5 are -----

5 and 4 are -----

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

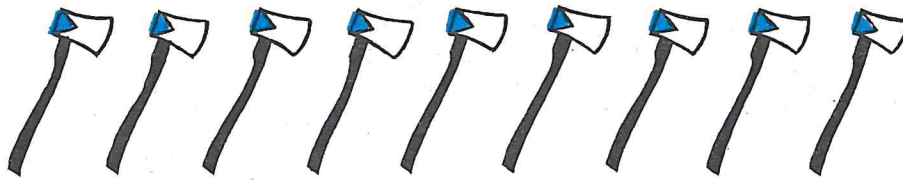
$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

Subtract

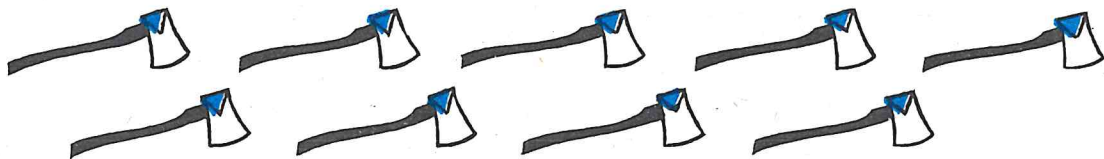


Take away 4 axes.

9 take away 4 is

4 from 9 is

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$



Take away 5 axes.

9 take away 5 is

5 from 9 is

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

These 3 numbers go together.

5 4 9

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$5 + 4 = \dots\dots$$

$$4 + 5 = \dots\dots$$

$$9 - 4 = \dots\dots$$

$$9 - 5 = \dots\dots$$

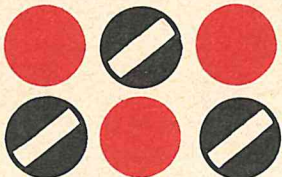
$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

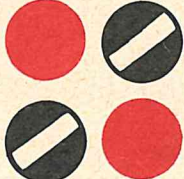
$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

More Addition

Mary has  balls.

Bob has  balls.

Together they have balls.

Mary gives 1 of her balls to Bob.

Now Mary has balls, and Bob has balls.

Together they have balls.

5 and 5 are 6 and 4 are

5 and 5 are 6 and 4 are

5 and 5 are 6 and 4 are

$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$
--	--	--	--	--	--

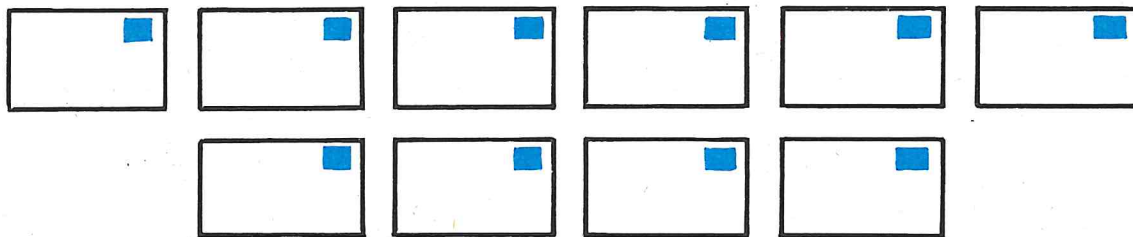
6 and 4 are 4 and 6 are

6 and 4 are 4 and 6 are

6 and 4 are 4 and 6 are

$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$
--	--	--	--	--	--

Subtract



Take away 4 letters.

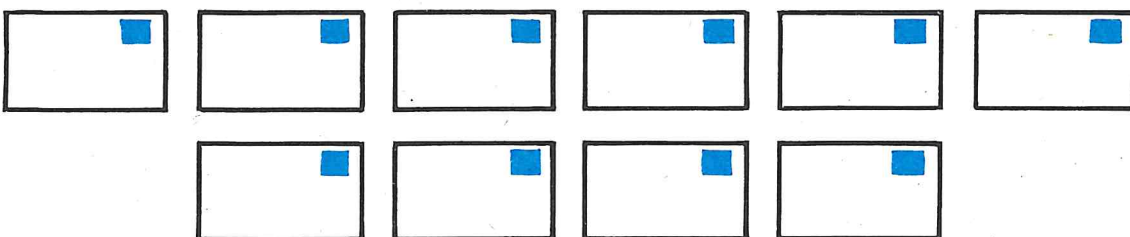
10 take away 4 is

4 from 10 is

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$



Take away 6 letters.

10 take away 6 is

6 from 10 is

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

These 3 numbers go together.

6 4 10

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$6 + 4 = \dots\dots\dots$$

$$4 + 6 = \dots\dots\dots$$

$$10 - 4 = \dots\dots\dots$$

$$10 - 6 = \dots\dots\dots$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

Set 5 - Practice Cards

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

TEACHER. — Same directions as for page 56.

Write the answers.

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$4 + 5 = \underline{\hspace{2cm}}$$

$$7 - 3 = \underline{\hspace{2cm}}$$

$$6 + 4 = \underline{\hspace{2cm}}$$

$$9 - 4 = \underline{\hspace{2cm}}$$

$$3 + 4 = \underline{\hspace{2cm}}$$

$$10 - 6 = \underline{\hspace{2cm}}$$

$$5 + 4 = \underline{\hspace{2cm}}$$

$$7 - 4 = \underline{\hspace{2cm}}$$

$$4 + 6 = \underline{\hspace{2cm}}$$

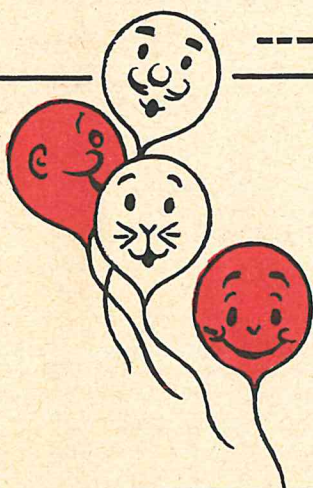
$$10 - 4 = \underline{\hspace{2cm}}$$

$$4 + 3 = \underline{\hspace{2cm}}$$

$$9 - 5 = \underline{\hspace{2cm}}$$

A Party

Mary is having a party. There are 4 girls and 3 boys at the party. How many children are there ?



Mary had only 4 balloons for her party. How many more balloons does she need to make 7 ?

She had 6 presents. The boys and girls gave her 4 more presents. How many presents does she have ?

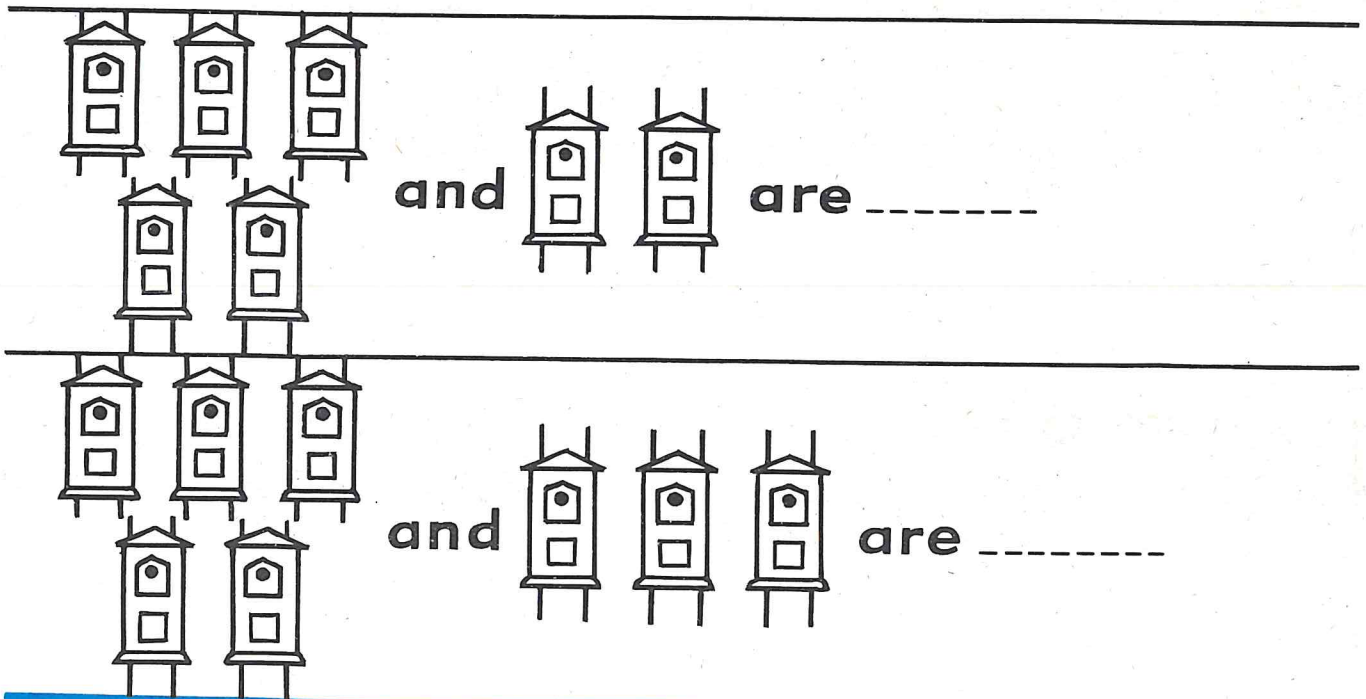


Mary ate 4 cookies. She had 6 cookies left. How many cookies did Mary have ?



TEACHER. — The class should read this page orally.

Add One More



5 and 3 are 1 more than 5 and 2

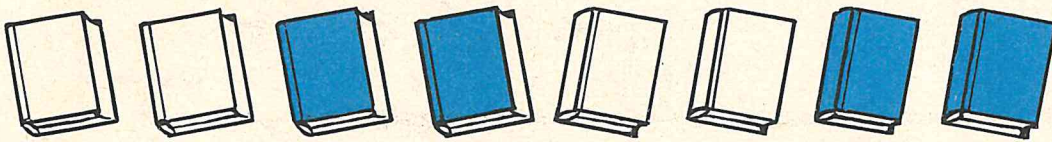
5 and 2 are _____ 5 and 3 are _____
 5 and 2 are _____ 5 and 3 are _____
 5 and 2 are _____ 5 and 3 are _____

$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$
--	--	--	--	--	--

5 and 3 are _____ 3 and 5 are _____
 5 and 3 are _____ 3 and 5 are _____
 5 and 3 are _____ 3 and 5 are _____

$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$
--	--	--	--	--	--

Subtract

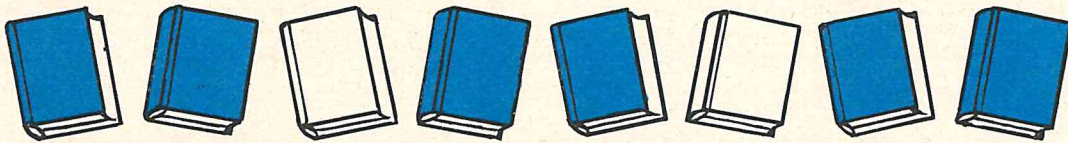


Take away 3 books
8 take away 3 is
3 from 8 is

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$



Take away 5 books.
8 take away 5 is
5 from 8 is

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

These 3 numbers go together.

5 3 8

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$3 + 5 = \dots\dots\dots$$

$$5 + 3 = \dots\dots\dots$$

$$8 - 3 = \dots\dots\dots$$

$$8 - 5 = \dots\dots\dots$$

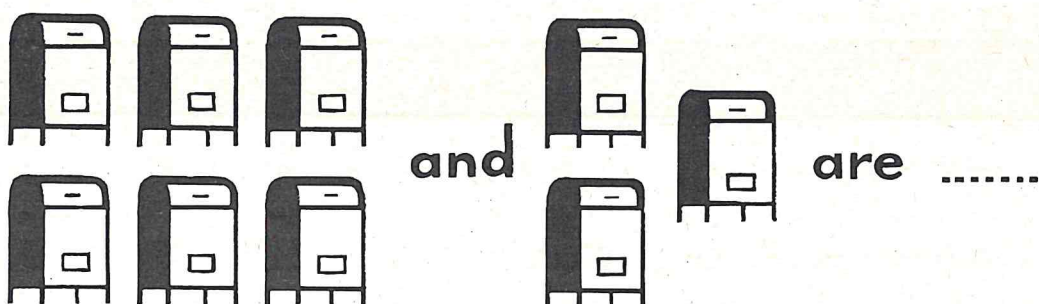
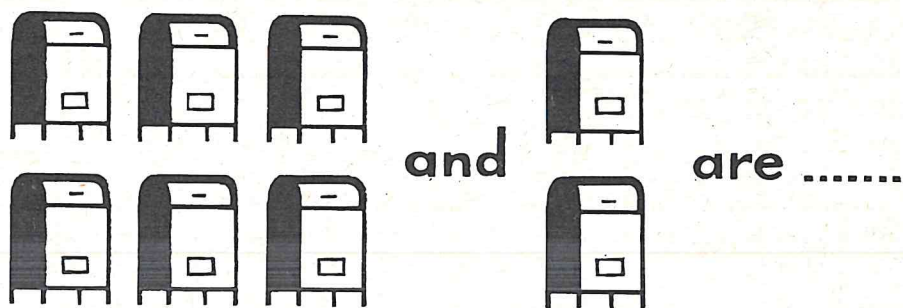
$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

Add One More



6 and 3 are 1 more than 6 and 2

6 and 2 are

6 and 2 are

6 and 2 are

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

6 and 3 are

6 and 3 are

6 and 3 are

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

6 and 3 are

6 and 3 are

6 and 3 are

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

3 and 6 are

3 and 6 are

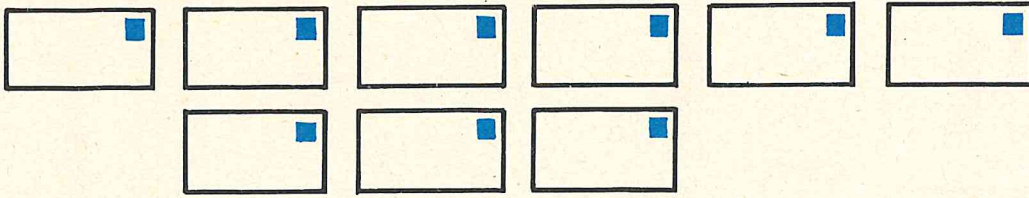
3 and 6 are

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

Subtract



Take away 3 letters.

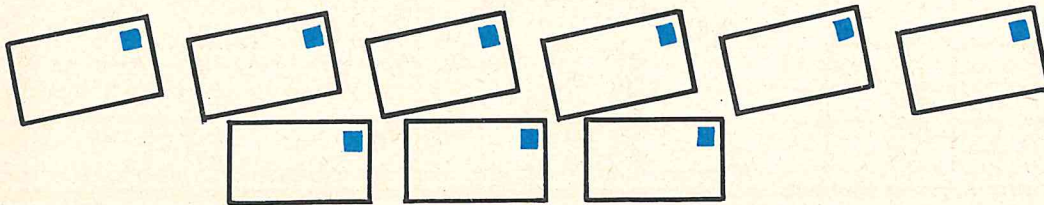
9 take away 3 is

3 from 9 is

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$



Take away 6 letters.

9 take away 6 is

6 from 9 is

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

These 3 numbers go together.

6 3 9

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

$$6 + 3 = \dots\dots\dots$$

$$3 + 6 = \dots\dots\dots$$

$$9 - 3 = \dots\dots\dots$$

$$9 - 6 = \dots\dots\dots$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

Add One More



and



are



and



are



7 and 3 are 1 more than 7 and 2

7 and 2 are

7 and 2 are

7 and 2 are

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

7 and 3 are

7 and 3 are

7 and 3 are

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

7 and 3 are

7 and 3 are

7 and 3 are

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

3 and 7 are

3 and 7 are

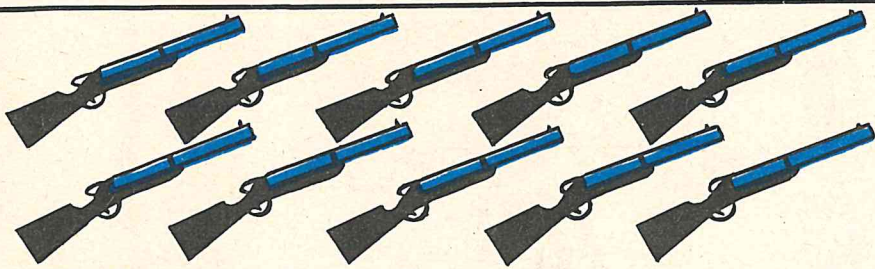
3 and 7 are

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

Subtract



Take away 3 guns.

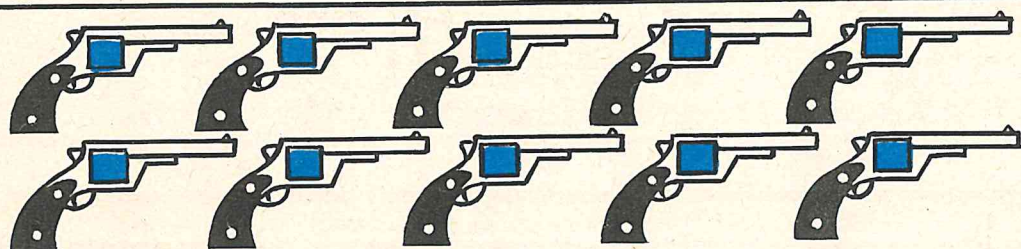
10 take away 3 is

3 from 10 is

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$



Take away 7 guns.

10 take away 7 is

7 from 10 is

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

These 3 numbers go together.

7 3 10

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$7 + 3 = \dots\dots\dots$$

$$3 + 7 = \dots\dots\dots$$

$$10 - 3 = \dots\dots\dots$$

$$10 - 7 = \dots\dots\dots$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

Set 6-Practice Cards

$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$

TEACHER. — Same directions as for page 56.

Add and Subtract

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

$$3 + 7 = \dots\dots\dots$$

$$9 - 3 = \dots\dots\dots$$

$$6 + 3 = \dots\dots\dots$$

$$8 - 5 = \dots\dots\dots$$

$$3 + 5 = \dots\dots\dots$$

$$9 - 6 = \dots\dots\dots$$

$$7 + 3 = \dots\dots\dots$$

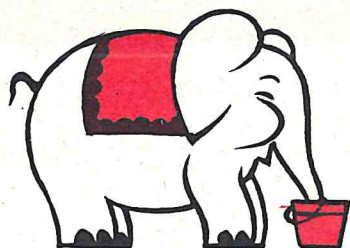
$$10 - 7 = \dots\dots\dots$$

$$5 + 3 = \dots\dots\dots$$

$$8 - 3 = \dots\dots\dots$$

$$3 + 6 = \dots\dots\dots$$

$$10 - 3 = \dots\dots\dots$$



$$\begin{array}{r} 7 \\ 3 \\ \hline \end{array}$$

Add

$$\begin{array}{r} 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 7 \\ \hline \end{array}$$

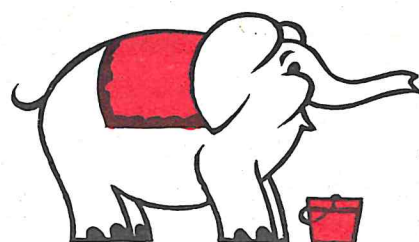
$$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$$

Now Subtract



$$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$$



$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

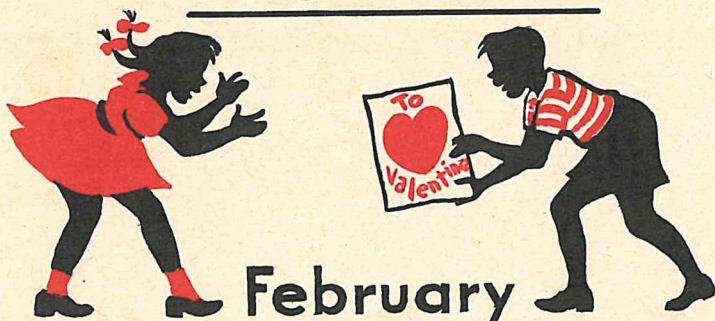
$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

A Calendar



Sun.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

1. The boy has a
penny letter valentine
2. What month is it?
January February March
3. When is Valentine's Day? Draw a red
line around it on this calendar.
4. When is Abraham Lincoln's Birthday?
Draw a blue line around it.
5. When is George Washington's Birthday?
Draw a green line around it.

TEACHER. — The class should read this page orally.

More Addition

$$\begin{array}{r} 4 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} \\ 6 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$$



$$\begin{array}{r} 3 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 3 \\ \hline \end{array}$$

Add and Check

Add down. Then add up to see if you are right.

$$\begin{array}{r} 67 \\ 62 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ 95 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 35 \\ \hline \end{array}$$

$$\begin{array}{r} 187 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ 84 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ 47 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 53 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ 32 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ 96 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ 46 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ 73 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 82 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 42 \\ \hline \end{array}$$

TEACHER. — Children should do several examples on the board, adding down and checking by adding up. They should check all work from here on.

Subtract

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$$

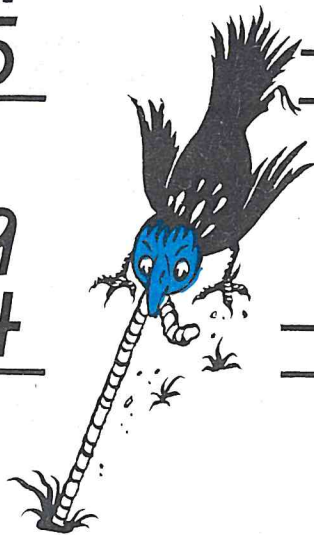
$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$



$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

Subtract—Then add to see if you are right.

$$\begin{array}{r} 68 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ -63 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -46 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 187 \\ -97 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -26 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -53 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -63 \\ \hline \end{array}$$

$$\begin{array}{r} 148 \\ -74 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 165 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -67 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -97 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ -83 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -65 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -72 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ -24 \\ \hline \end{array}$$

TEACHER. — Demonstrate on the board how to check, by covering the minuend with the hand, then adding the subtrahend and the answer to get the minuend.

Let the children do several examples on the board and then check them to see if they are correct.

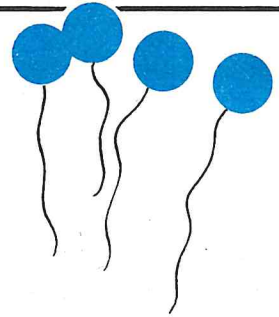
Problems



Bill bought an ice cream cone for 6¢ and candy for 3¢. How much did Bill spend?

----- ¢

Jill needs 10 balloons. She has 4 balloons. How many more does she need?



Nan has 5 little  dolls and 4 big dolls. How many dolls does she have in all?





Dan had 10 marbles. He lost 7 marbles. How many did he have left?

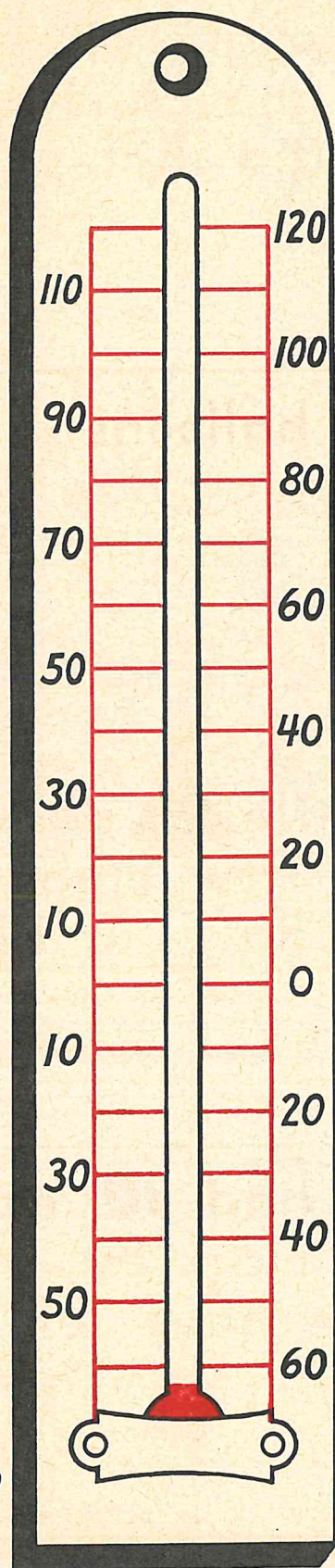
TEACHER. — The class should read this page orally.

A Thermometer

1. What is the temperature in this room?

2. Color the space in the middle of the thermometer to show what the temperature is. Color it red.

3. When it is hot, does the temperature go up or down?
up down







4. When it is cold, does the temperature go up or down?
up down

5. Draw a blue line to show what the temperature may be in July.

6. Draw a green line to show what the temperature may be in January.

A New Way to Add

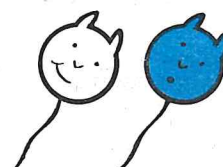
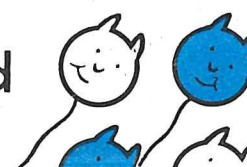

 and  are
and   are

think
the
answer

3 and 2 are  and 2 are

$$3 + 2 + 2 = \dots\dots$$

$$\begin{array}{r} 3 \\ 2 \\ + 2 \\ \hline \end{array}$$

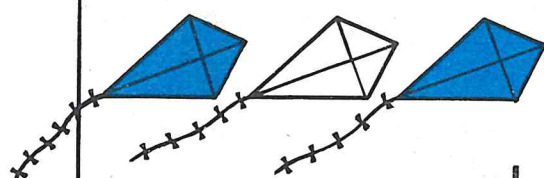
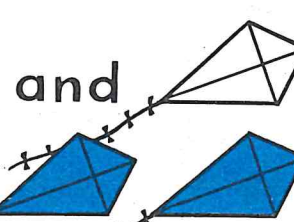

 and  are
and  are

think
the
answer


2 and 2 are  and 2 are

$$2 + 2 + 2 = \dots\dots$$

$$\begin{array}{r} 2 \\ 2 \\ + 2 \\ \hline \end{array}$$

 and  are
and  are

think
the
answer

3 + 1 are  and 2 are

$$3 + 1 + 2 = \dots\dots$$

$$\begin{array}{r} 3 \\ 1 \\ + 2 \\ \hline \end{array}$$

TEACHER. — Let the children work several examples on the board.

Addition

Add down, then add up.

$$\begin{array}{r} 2 \\ 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 7 \\ 0 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 4 \\ 0 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ 0 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 0 \\ 9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 5 \\ 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ 5 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ \hline 2 \end{array}$$

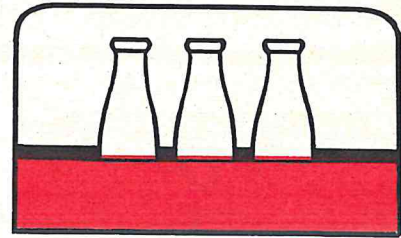
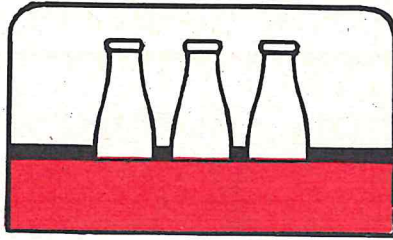
$$\begin{array}{r} 3 \\ 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ \hline 2 \end{array}$$

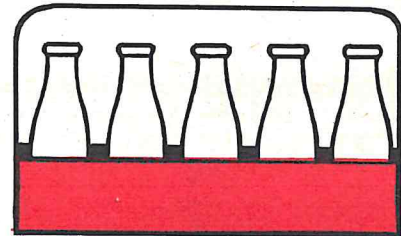
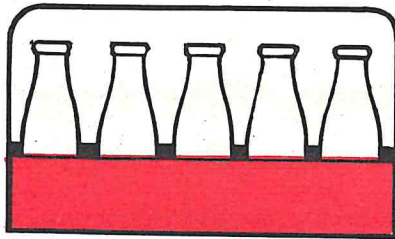
$$\begin{array}{r} 2 \\ 6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ \hline 7 \end{array}$$

A Shorter Way to Add



There are bottles in each box.
There are boxes of 3 bottles.
There are 3's
3 and 3 are
two 3's are



There are bottles in each box.
There are boxes of 5 bottles.
There are 5's
5 and 5 are
two 5's are

1 and 1 are
4 and 4 are
2 and 2 are
6 and 6 are

Two 1's are
Two 4's are
Two 2's are
Two 6's are

TEACHER. — Before doing this page, use objects to demonstrate the short way to combine groups of equal value. Children should use the words, "two 1's," "two 2's," etc.

Roman Numbers

Some books and some clocks use Roman numbers.

Remember these 3 Roman numbers.

1 is I

5 is V

10 is X

Write these Roman numbers.

1

5

10

You can make other Roman numbers from these three Roman numbers.

Two 1's are 2 is made like this. II

Three 1's are 3 is made like this. III

One number before 5 is 4 is made like this. IV

5 is

5 and 1 are 6 is made like this. VI

5 and two 1's are 7 is made like this. VII

5 and three 1's are 8 is made like this. VIII

One number before 10 is 9 is made like this. IX

10 is

10 and 1 are 11 is made like this. XI

10 and two 1's are 12 is made like this. XII

TEACHER. — Children should read this page orally. Develop the understanding that the three Roman numbers — I, V, and X — are arranged in certain ways and combinations to make all the other numerical values.

Roman Numbers

Write the Roman numbers.

1	4	7	10
2	5	8	11
3	6	9	12

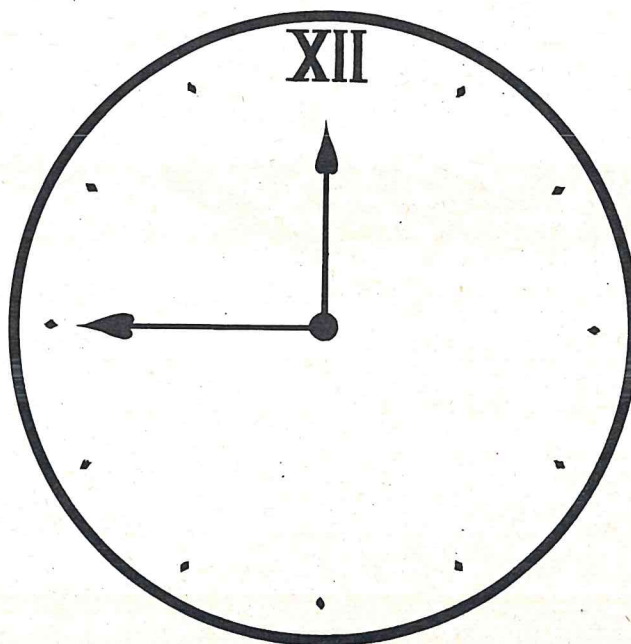
Write the numbers for these Roman numbers.

VIII	X	XI	VII
V	II	VI	IX
I	IV	III	XII

Write the Roman numbers.

6	12	7	9
11	10	5	2
3	1	4	8

Write the Roman numbers on the clock.



Money



This is a penny.



This is a dime.

A dime is pennies.

10 pennies are dime.

10 pennies are ¢



=



5 pennies are 1 nickel.

1 nickel is pennies.

1 nickel is ¢



This costs ¢
..... nickel
..... pennies

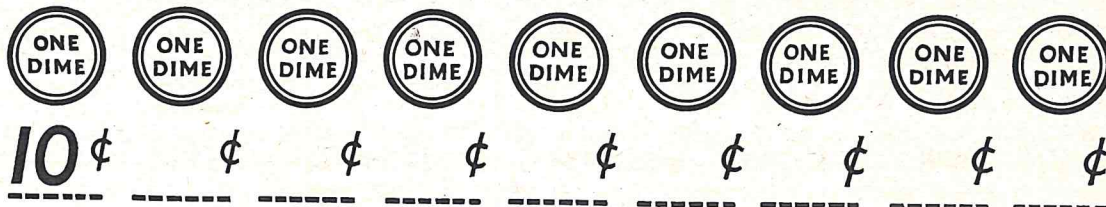
This costs ¢
..... nickel
..... pennies

This costs ¢
..... dime
..... nickel
..... pennies

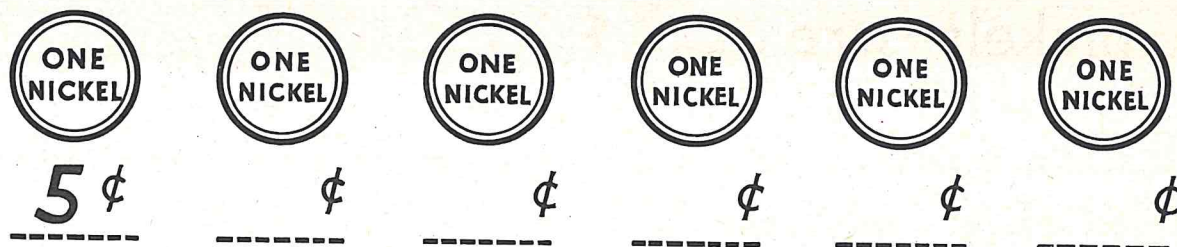
TEACHER. — Have the children read this page orally.

Money

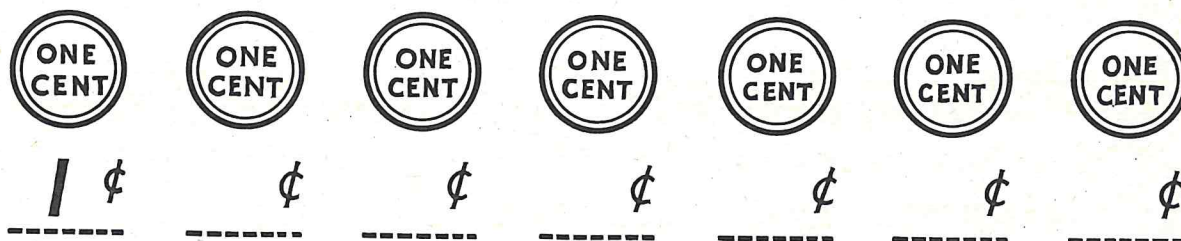
Count these dimes by 10's.



Count these nickels by 5's.



Count these pennies by 1's.



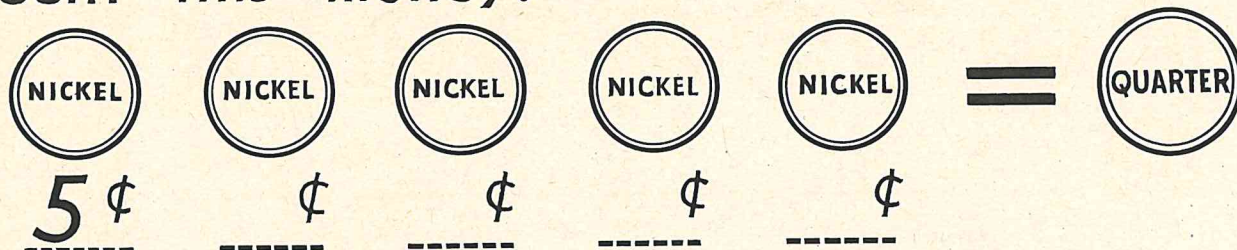
Sam has a nickel. He buys a balloon for 2¢. How much change does he get? ¢

Mary has a dime. She buys an ice cream cone for 7¢. How much change does she get? ¢

TEACHER. — Have the children read this page orally.

Money

Count this money.

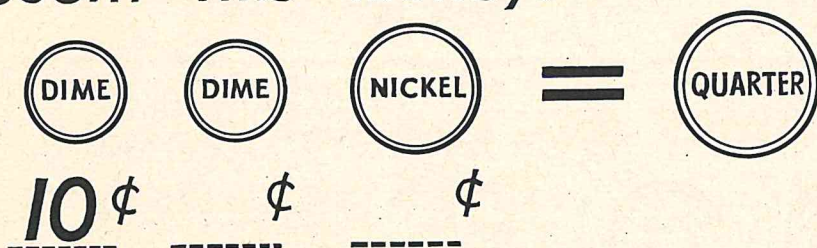


5 nickels make 1 quarter.

5 nickels are _____ ¢

1 quarter is _____ ¢

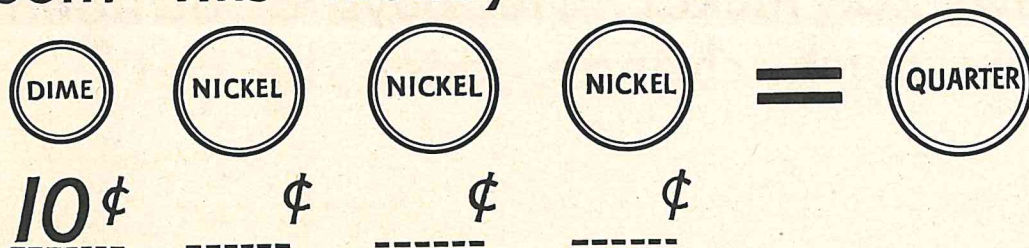
Count this money.



_____ dimes and _____ nickel = 25¢

_____ dimes and _____ nickel = 1 quarter.

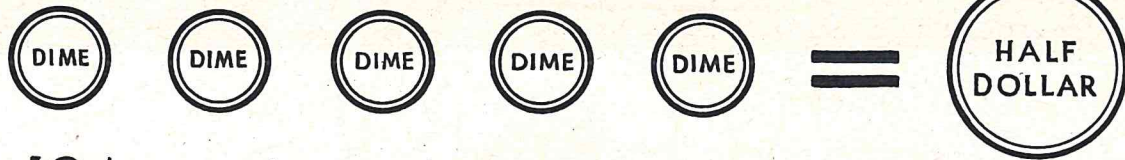
Count this money.



_____ dime and _____ nickels = 25¢

_____ dime and _____ nickels = 1 quarter.

Count this money.



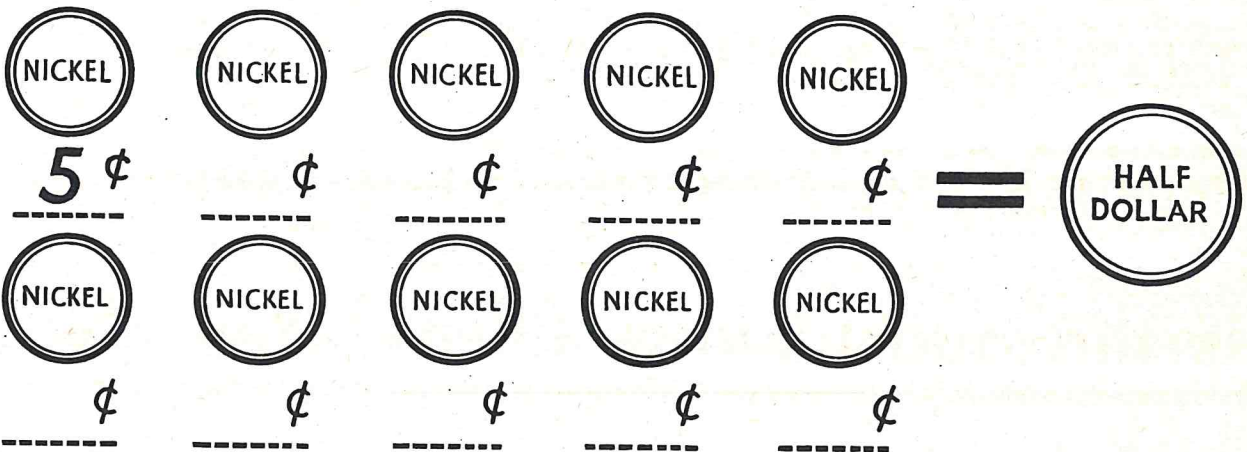
10¢ ¢ ¢ ¢ ¢

5 dimes are _____¢

1 half dollar is _____¢

5 dimes make _____ half dollar.

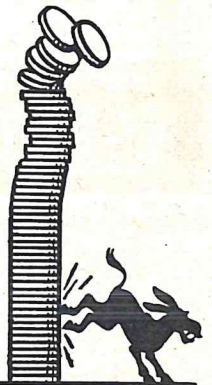
Count this money.



5¢ ¢ ¢ ¢ ¢

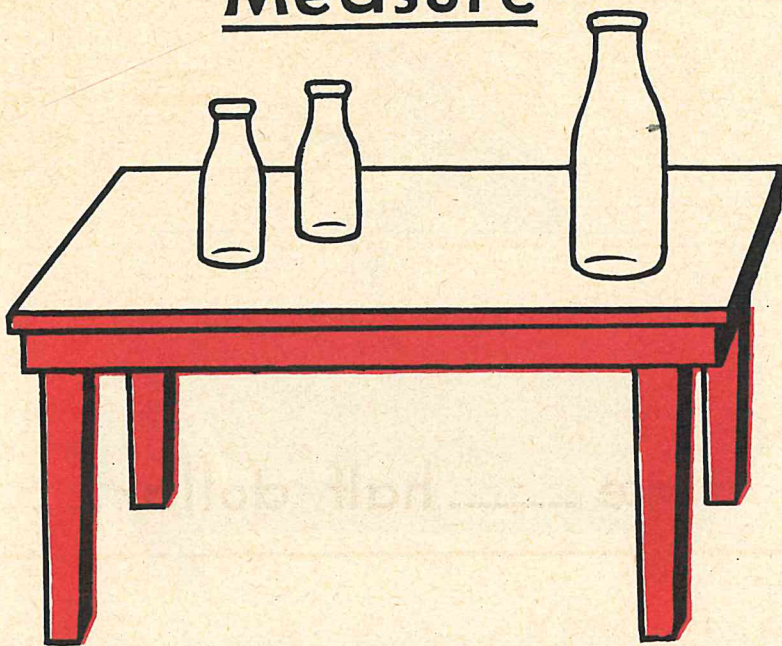
10 nickels make _____¢

10 nickels make _____ half dollar.



John had 50¢. He spent 30¢. How much change did he get? _____¢

Measure



Take a quart bottle and 2 pint bottles .
Fill one pint bottle with water .
Pour the water into the quart bottle .

Is the quart bottle filled ? Yes No

Fill the other pint bottle and pour it into
the quart bottle .

Is the quart bottle filled now? Yes No

How many pint bottles did you fill before
the quart bottle was filled ?

It takes ----- pints to make 1 quart .

1 quart is the same as ----- pints .

TEACHER. — The class should read this page orally. Let the children bring two pint bottles and a quart bottle to school and then follow the directions on the page.

Measure



Fill a glass with water and pour the water into the pint bottle.

Is the pint bottle filled? Yes No

Fill the other glass with water and pour the water into the pint bottle.

Is the pint bottle filled now? Yes No

How many glasses did you fill before the pint bottle was filled?

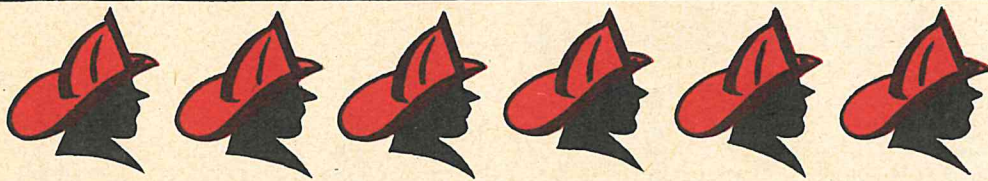
It takes glasses to make 1 pint.

1 pint is the same as glasses.

1 quart is the same as glasses.

TEACHER. — Have the class read the page orally. Have glasses and pint bottle at hand. Let the children follow the directions on the page.

How Many?



Here are firemen.

Draw a line around the first 2 firemen.

Draw a line around the next 2 firemen.

Draw a line around the last 2 firemen.

There are 2's in 6



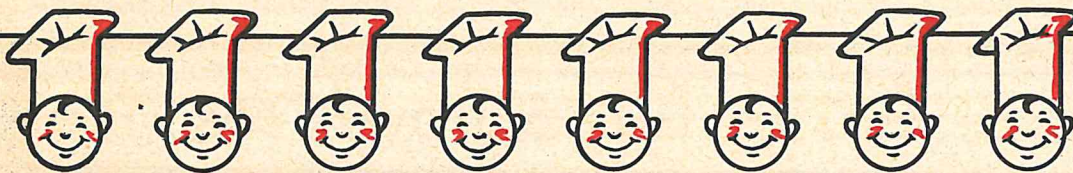
Here are policemen.

Draw a line around the first 3 policemen.

Draw a line around the next 3 policemen.

Draw a line around the last 3 policemen.

There are 3's in 9



Here are cooks.

Draw a line around the first 2 cooks.

Draw a line around the second 2 cooks.

Draw a line around the next 2 cooks.

Draw a line around the last 2 cooks.

There are 2's in 8

TEACHER. — Before doing the work on this page, the children should be given concrete objects to divide into groups.

Addition Test

Add down, then add up.

$$\begin{array}{r} 2 \\ 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 0 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 0 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 3 \\ 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ 4 \\ \hline \end{array}$$

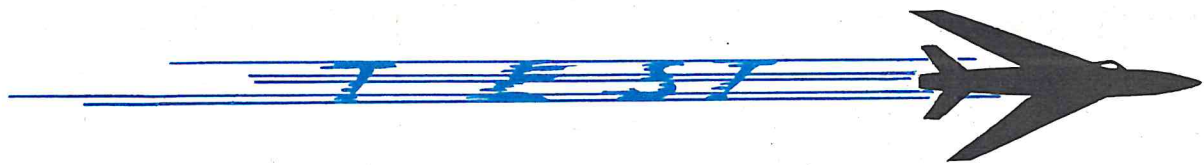
$$\begin{array}{r} 4 \\ 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 6 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 0 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 4 \\ 4 \\ \hline \end{array}$$



$$2 + 5 + 1 = \underline{\hspace{2cm}}$$

$$3 + 4 + 2 = \underline{\hspace{2cm}}$$

$$1 + 0 + 9 = \underline{\hspace{2cm}}$$

$$6 + 1 + 1 = \underline{\hspace{2cm}}$$

$$5 + 1 + 2 = \underline{\hspace{2cm}}$$

$$3 + 3 + 3 = \underline{\hspace{2cm}}$$

$$7 + 0 + 2 = \underline{\hspace{2cm}}$$

$$6 + 3 + 1 = \underline{\hspace{2cm}}$$

$$2 + 0 + 6 = \underline{\hspace{2cm}}$$

$$6 + 3 + 2 = \underline{\hspace{2cm}}$$

Addition Test

Add down, then add up.

$$\begin{array}{r} 27 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ 73 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ 95 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ 45 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ 25 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ 83 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ 46 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ 24 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ 92 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ 67 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ 32 \\ \hline \end{array}$$



$4 + 6 = \underline{\hspace{2cm}}$

$2 + 8 = \underline{\hspace{2cm}}$

$7 + 0 = \underline{\hspace{2cm}}$

$3 + 6 = \underline{\hspace{2cm}}$

$3 + 7 = \underline{\hspace{2cm}}$

$0 + 8 = \underline{\hspace{2cm}}$

$5 + 4 = \underline{\hspace{2cm}}$

$2 + 7 = \underline{\hspace{2cm}}$

$1 + 6 = \underline{\hspace{2cm}}$

$5 + 5 = \underline{\hspace{2cm}}$

Subtraction Test

Subtract, then add.

$$\begin{array}{r} 107 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ - 85 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 72 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ - 92 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ - 85 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ - 75 \\ \hline \end{array}$$

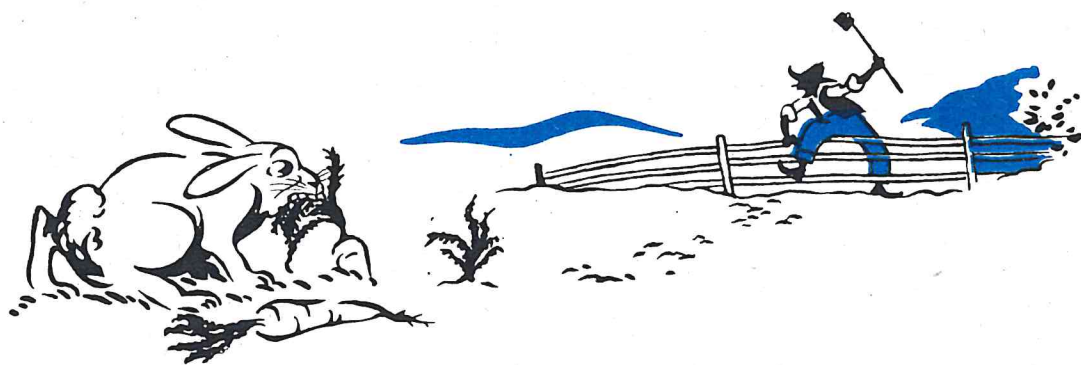
$$\begin{array}{r} 106 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 169 \\ - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 73 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ - 32 \\ \hline \end{array}$$



$$2 \text{ from } 10 = \underline{\hspace{2cm}} \quad 6 \text{ from } 10 = \underline{\hspace{2cm}}$$

$$4 \text{ from } 9 = \underline{\hspace{2cm}} \quad 4 \text{ from } 8 = \underline{\hspace{2cm}}$$

$$8 \text{ from } 16 = \underline{\hspace{2cm}} \quad 3 \text{ from } 10 = \underline{\hspace{2cm}}$$

$$0 \text{ from } 8 = \underline{\hspace{2cm}} \quad 7 \text{ from } 9 = \underline{\hspace{2cm}}$$

$$8 \text{ from } 9 = \underline{\hspace{2cm}} \quad 6 \text{ from } 7 = \underline{\hspace{2cm}}$$

More Things to Do

1. Use a ruler.

Measure this book.

Measure your desk.

Measure some paper.

Measure other things.



2. Use a scale.

Weigh some coffee.

Weigh some sugar.

Weigh some potatoes.

Weigh other things.

How much do you weigh?



3. Go shopping for your mother.

Find out how much things cost.

Pay for them.

Count your change.



Color

Set 1



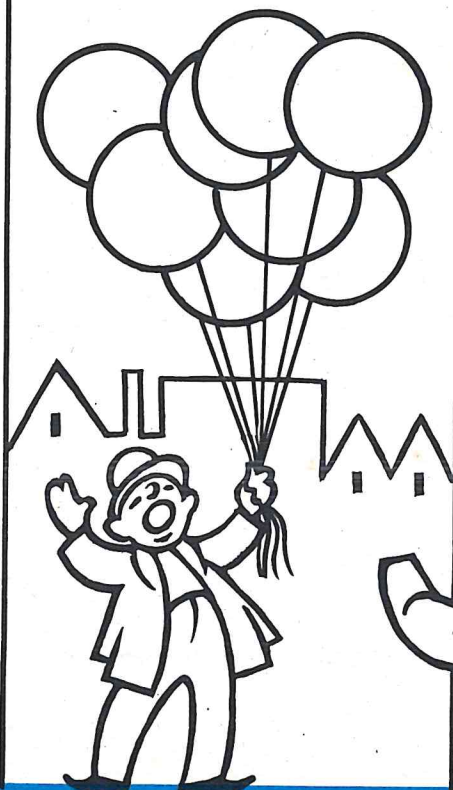
Set 2



Set 3



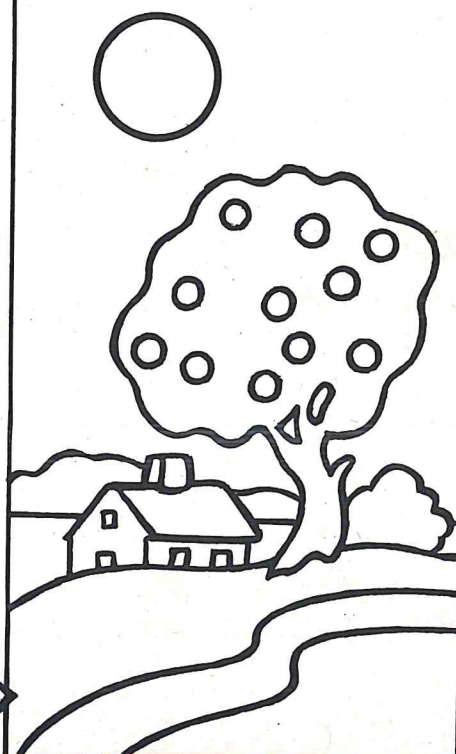
Set 4



Set 5



Set 6



Word List

For the pages on which these 215 words occur, see the Teachers' Manual.

after	cold	go	marbles	presents	these
an	color	gone	middle	problems	they
and	comes	green	minute		think
answers	cone		missing	read	third
are	cookies	had	money	red	this
around	costs	half	months	remember	three
as	count	halves	more	riddle	time
at	cut	hands	mother	right	to
ate		has	much	room	together
away	day	hat		run	top
	desk	have	need		trees
back	did	he	new	same	twelve
balls	dime	her	next	say	two
balloons	do	here	nickel	scale	
be	dollar	his	no	second	up
before	dolls	hour	none	she	use
big	doubles	how	nothing	shopping	
birds	down		now	short	was
birthday	draw	ice cream	number	show	water
blue		in	o'clock	size	way
body	each	into	odd	small	we
book	even	is	of	so	were
bottles		it	on	some	what
bought	face		one	something	when
boys	fifth	kites	only	space	where
box	fill		other	spent	which
brown	find		out	starts	whole
buys	first	larger		sugar	why
by	flew	left	paper	summer	will
	folded	letters	parade		win
cake	for	like	parts	take	winter
called	fourth	line	past	tell	with
can	from	little	pay	tens	won
candy		long	pennies	test	words
cent	game	lost	pie	than	write
change	gets		pint	that	
clocks	girls	made	policeman	the	yellow
clown	gives	make	potatoes	them	yes
coffee	glass	many	pour	then	you
				there	

Arithmetic Terms

add	divide	quart	Roman	square	subtraction	thermometer	weigh
addition	measure	rectangle	ruler	subtract	temperature	triangle	zero

Special Words

January	April	July	October	Abraham Lincoln
February	May	August	November	George Washington
March	June	September	December	Valentine

